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Occupational
Information
Coordinating
Committee



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MONTANA SUPPLY / DEMAND REPORT

Second Edition
September 1984

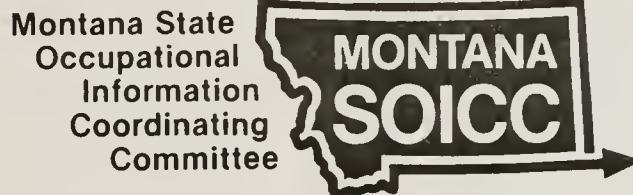
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MONTANA SUPPLY/DEMAND REPORT



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September, 1984

ACKNOWLEDGEMENTS

The information contained within this publication would not have been possible without the joint effort and cooperation of the Montana SOICC's Technical Steering Committee (TSC). The TSC consists of representatives from the SOICC's six member agencies and are recognized for their continued guidance and support. Current TSC members include:

- . Bob Rafferty, Chief, Research and Analysis Bureau, Centralized Services Division, Department of Labor and Industry
- . Paul Dunham, Director, Research and Services, Office of the Commissioner of Higher Education, University System
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- . Joanne Sullivan, Employment and Training Specialist, Job Service and Training Division, Department of Labor and Industry
- . John Balsam, Small Business Advocate, Business Assistance Division, Department of Commerce
- . Sam Larango, Counselor, Rehabilitative/Visual Services Division, Department of Social and Rehabilitation Services

Special thanks are extended to the staffers at the Montana Career Information System, the Montana Advisory Council for Vocational Education, the Job Service and Training Division, the Department of Vocational Education Services, and the Office of the Commissioner of Higher Education who all offered valuable insight into the needs of the audiences and users that they serve.

The efforts of Fran Mares, SOICC Administrative Assistant, have made a considerable contribution to this publication. Fran edited, typed, proofed, assisted in writing, and clustered much of the information contained within this second edition of the Montana Supply/Demand Report.

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Points to Remember About the Montana SOICC

- o The Montana SOICC is a Committee.
- o The SOICC and its work are really an extension of each of its member agencies and their individual agency work.
- o All of the SOICC's work is accomplished through interagency cooperation.
- o The SOICC compiles data from many agencies, then processes and analyzes the data in a technically appropriate manner to produce information usable by program planners and administrators.
- o The SOICC's work minimizes duplication between agencies and improves the availability of useful information (particularly important in times of reduced budgets).
- o The SOICC provides a formal structure that links the work done by education and labor agencies in Montana.
- o The SOICC is responsible for designing, implementing and maintaining a statewide, comprehensive Occupational Information System (OIS) based on current supply (workers) and demand (jobs).

For Further Information Contact:

The Montana State Occupational Information
Coordinating Committee (SOICC)

Post Office Box 1728

Helena, Montana 59624 (406) 444-2741

Introduction

A continuing challenge facing education and training institutions is to identify, design, and offer programs that serve both the needs of individual participants and the needs of the economy and society as a whole. It is crucial that training programs designed to prepare individuals for specific occupations be realistic in light of the anticipated job openings (demand) and the expected number of persons available for and prepared to fill them (supply).

While a number of factors must be considered in the design of training strategies, it is clear that occupational information can serve as a valuable asset to the planner. Recent legislation -- in particular the Vocational Education Amendments of 1976, the Comprehensive Employment and Training Act Amendments of 1978 and the Job training Partnership Act (JTPA) of 1982 -- have stressed the value of providing and using occupational information, by mandating the development of national, State and local occupational information systems (OIS) to meet the common occupational information needs of vocational education and employment and training programs.

An OIS adds an important dimension to planning processes because it provides comprehensive data on current and anticipated labor market conditions. Access to this information has several potential benefits for education and training institutions. For example, it may enable them to play a greater role in economic

development efforts or to respond to employers' needs in a more systematic and timely fashion. While personal contacts are very important, they are difficult to maintain in large numbers across a wide spectrum of employers. The OIS offers planners a broad perspective of employment needs and an efficient means of learning about local labor market conditions.

An OIS, however, cannot provide a planner with a definite quantitative indicator of what to do about a program along the lines of "30 additional people need to be trained in program X." Analysis and interpretation of possible causes for labor imbalances is not an exact science. Judgment, reason, and the experience of the planner, program advisory groups and others all need to be considered in analyzing occupational information as a factor in program planning decisions.

An OIS can help planners make better informed decisions. It saves time and increases efficiency by flagging potential problems and verifying areas that are performing well. This allows planners to focus their attention and limited resources on areas that require action. An OIS also can provide planners with documentation to justify program decisions and thus aid in obtaining approval of plans and funding. In times of limited resources, demonstrating the potential impact of a program on the economy of the community and the State could prove to be a critical point in obtaining funding. Use of a comprehensive, integrated OIS can help planners justify decisions on the basis

of economic impact and answer questions that may be raised in the plan approval process.

Planning decisions can have broad policy implications and do involve consideration of many factors other than labor market conditions, among them:

- financial resources
- availability of qualified teachers
- presence of tenured faculty
- space
- facilities
- equipment
- materials and curricula
- student interest

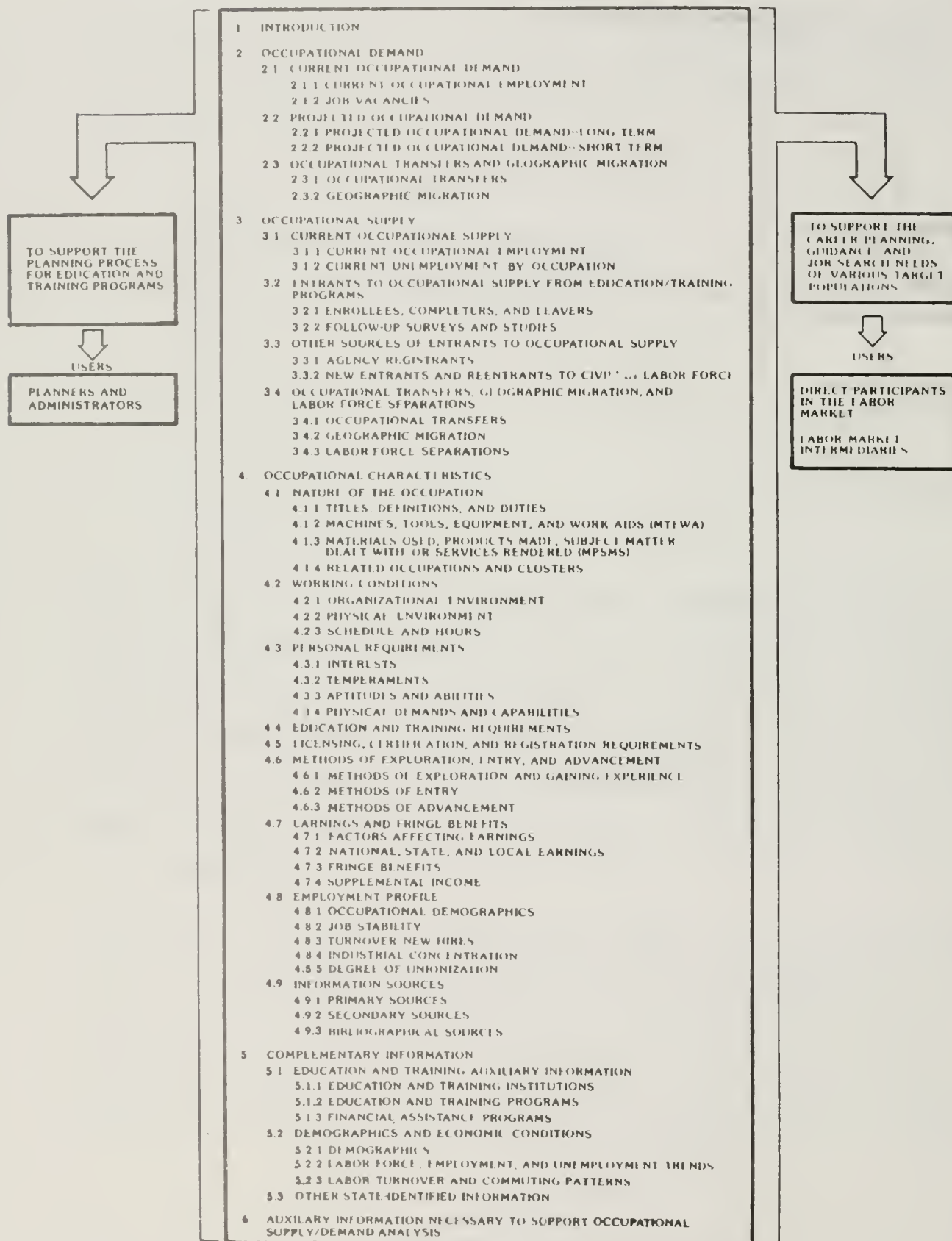
Final recommendations regarding planning decisions frequently involve compromises or trade-offs of some kind between competing goals or objectives. These can only be made by persons involved with and responsible for administering programs. What an OIS can provide is a common data base for coordinated planning within a State and a way for planners to identify and analyze areas that need attention.

The primary purpose for establishing SOICCs was, and continues to be, the development, implementation and maintenance of a comprehensive occupational information system based on supply (workers) and demand (jobs). These data, in conjunction with data from the Montana Career Information System (MCIS), are used

to support the career planning, guidance, and job search needs of various target populations.

OIS INFORMATION BASE AND THE TWO MAJOR USES OF OCCUPATIONAL INFORMATION

OCCUPATIONAL INFORMATION BASE



MONTANA OCCUPATIONAL INFORMATION SYSTEM

Measures of Supply

Public Secondary	Vocational Technical	Higher Education	Proprietary Schools	Vocational Rehabilitation	Employment Training Programs	Job Corps
Code-1	Code-2	Code-4	Code-8	Code-6	Code-3	Code-5
Measure: Available for Work	Measure: Program Completers	Measure: Degrees Conferred	Measure: Degrees Conferred and Program Completers	Measure: Program Completers Status > 18 Excluding 30	Measure: Program Completion Status	Measure: Program Completers
Time Period: July-June	Time Period: July-June	Time Period: July-June	Time Period: July-June	Time Period: October - September (FFY)	Time Period: October - September (FFY)	Time Period: October - September (FFY)
Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide
(6-digit) Classification: Classification of Instructional Programs (CIP)	Classification: Office of Education (OE) 6-Digit Code	(6-digit) Classification: Classification of Instructional Programs (CIP)	Classification: Office of Education(OE) 6-Digit Code	Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code	Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code	Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code
Reporting System: Manual	Reporting System: Manual	Reporting System: Mechanized	Reporting System: Manual	Reporting System: Mechanized	Reporting System: Manual	Reporting System: Manual

Supply Information

Supply is defined as workers. Current Supply is the number of individuals currently employed in a particular occupation, plus the number of individuals qualified and currently seeking employment in Montana in that occupation.

Montana's Occupational Information System (OIS) focuses on those who are trained and available for employment in specific occupations in Montana at given points in time. The Montana Supply/Demand Report is the major product of the Montana SOICC's OIS.

An explanation of all elements contained within that report follows:

Date refers to the date the report was printed; title refers to the name of the report. "AG1-Agriculture Production," refers to a broad description of training programs or occupations related to the cluster title. Montana's OIS currently contains sixty-three (63) of these title assignments which serve as a means of clustering education/training programs with related occupations.

Title reflects the title of the specific training program in relation to the reporting system being used by the reporting agency. Cluster Total refers to the total number of individuals available for work and/or those people who have completed a training/education program. Code refers to the classification system code assignment that each agency reports in. The six-digit code refers to the Classification of Instructional Programs

(CIP) and the nine-digit code refers to the Dictionary of Occupational Title (DOT) code.

The numbers to the right of the aforementioned codes reflect the supply (workers) which is printed in the corresponding supply column.

Public Sec (Sector) refers to the number of high school students who've completed a vocational education training program and are available for work in the State. The limitations* in this reporting focus on duplication. Class-based reporting systems may result in a duplicate program enrollment or completion counts and follow-up data may be based on a limited sample size. A large number of postsecondary (adult) enrollees and completers are already employed full- or part-time while participating in vocational education programs. Therefore, overlap and duplication of counts can occur.

VoEd/Vo Tech (Vocational Education/Vocational Technical) represents program completers from the five (5) Vocational Technical Centers statewide. Again, class-based reporting often results in duplicate program enrollment or completion counts. Follow-up data may be based on a limited sample size, and, a large number of postsecondary (adult) enrollees and completers are employed while learning just as mentioned above.

Higher Ed (Higher Education) lists all degrees conferred from all units of the Montana University System, degrees conferred and program completers from community colleges, and degrees conferred

and certificates awarded from private colleges statewide. Limitations* in this reporting include students who already must be working full- or part-time, comprehensive follow-up data establishes specific relationships between students' academic fields and the occupations they eventually enter is not available, and non-accredited colleges and universities are excluded from reporting systems. Supply information here reflects only the actual number of degrees and certificates awarded. The new Classification of Instructional Program (CIP) codes enhance the report because the coding structure is more specific in its relationship between training programs and occupations.

Prop Schools (Proprietary Schools) includes program completers from cosmetology, barber, real estate preparation, and income tax preparation, etc. schools statewide. The limitations* in this reporting include the fact that the National Center for Education Statistics (NCES) only surveys these schools on a biennial basis. However, the Montana Career Information System (MCIS) elected to gather this information included in this report for this particular period since NCES did not survey. The Montana SOICC cooperated both with NCES and MCIS in data gatherings and was able to obtain NCES data much sooner than otherwise normally possible because of the cooperation. CETA clients and VoRehab clients enrolled in postsecondary career school programs are counted in their respective management information systems as

well as by NCES' survey. Unfortunately, those individuals are counted twice in the report's supply data.

VocRehab (Vocational Rehabilitation) refers to program completers who have been trained with funds provided by Vocational Rehabilitation in the State. Limitations* in these data include that clients of VoRehab may receive services over an extended period of time and their entry into the labor market is not always known. Some clients may not be obtaining specific occupational skills either; some may obtain generic skills that assist in overcoming handicaps. Job restructuring and job tailoring are key ingredients in vocational rehabilitation. After VoRehab training, some clients also receive more training from other agencies, so the potential for duplication of counts exists here.

CETA (Comprehensive Employment and Training Act) was replaced by the Job Training Partnership Act (JTPA) in 1982, however, the data used here was reported prior to JTPA. Therefore this section includes program completers from CETA only. Limitations* within this reporting include the fact that the U.S. Department of Labor does not require detail on training programs and clients, and, some clients are "recycled" through a number of training programs and could be counted several times because data are not available by Social Security number -- only via DOT code. Often, CETA classroom training occurs through the vocational education system. A CETA trainee could potentially be

counted in VEDS reporting thus duplicating the counts of the available labor supply in a given occupation.

Job Corps reflects those completers from one of three Corps training centers statewide. Limitations* in these data include the fact that those enrolled are not counted by their respective home states, to which they are likely to return after receiving training. This limitation restricts the use of these data because of the inability to associate supply data with a specific geographic area or state. Another limitation is that Job Corps centers are not required by any state or federal agency to report completer data. The Montana SOICC obtains the information directly from each center.

* LIMITATION CLARIFICATION: The Montana SOICC seriously studied duplication between reporting agencies. It was determined that the duplication rate for completers was not more than 10%.

Other supply sources not contained in this report, but should be considered when making program training decisions include 1) occupational transfers (those who transfer from one occupation to another), 2) the number of people who migrate in/out of Montana, 3) people who are discharged or have received a retirement from the military, 4) Job Service applicants: Job Service applicants provide a partial measure of the number of individuals seeking work through various employment agencies. Because the appli-

cants are registered with Job Service, this measure of occupational supply covers only public sector agency registrants (for more information on this source of supply, contact the Research and Analysis Bureau, Montana Department of Labor and Industry, Post Office Box 1728, Helena, Montana 59624), and finally, 5) re-entrants to the labor force due to change in economic conditions (displaced workers).

In summary, statewide supply/demand data are extremely useful as a planning and counseling tool. As mentioned within each data reporting source, these data have limitations. Each counselor's and planner's professional judgment, combined with available local data, is paramount in the process. If you encounter problems using this report, contact the Montana SOICC at (406) 444-2741, for further information and explanation.

Demand Information

Demand is defined in this report simply as jobs. The demand portion of this report consists of the following information:

"AG1- Agriculture Production" refers to the cluster that farm, ranch, logging, and wildlife occupations relate to. This same cluster is used (along with others) to aggregate training programs found within the supply report. With the aid of our clustering technique, the Montana SOICC has been able to compare occupations in which people work to the related programs that people are trained in, which ultimately indicates if people are being trained to work in occupations that will continue to exist and/or provide future employment opportunities.

OES Matrix Code (Occupational Employment Statistics) refers to an eight-digit code derived from an OES five-digit survey code, plus a three-digit prefix number, that is usually -- but not always -- compatible with other occupational classification structures.

Current Employment refers to the number of people currently employed in Montana during base year 1982. Projected Employment refers to an estimate of the number of people expected to be employed in the corresponding occupation in 1990. These data are computed by incorporating two factors: 1) openings due to growth or decline in the level of occupational demand, and, 2) replacement demand resulting from labor force separations.

Growth and decline in occupational demand occur because of changes in business/economic conditions and technological advancements. Projections are formulated with procedures established by the U.S. Department of Labor's Bureau of Labor Statistics; projections are later used to convert industry employment (captured via survey) to occupational employment in each industry. Results are totaled across industries to obtain projected employment by occupation.

Average Growth refers to the average annual growth due to business/economic fluctuations and technological advancements.

Average Replacements refers to job openings that occur as individuals leave their respective occupation because of retirement or death. Job openings which occur due to occupational transfers and migration are not incorporated because valid data are not available at this time.

Average Annual Openings is comprised of two components: 1) job openings resulting from industry growth, and, 2) job openings resulting from separation (deaths and retirements). Together, these components achieve total average annual openings by occupation.

Supply contains the cluster total in the supply report. By comparing the cluster total of average annual openings to the supply total, a comparison of the average annual job openings and the number of individuals trained (and are seeking work) in this occupation is achieved. Ultimately, a determination is made to substantiate whether or not training programs should be increased or decreased.

Limitations in OES Data: Occupational employment projections produced by the OES program should not be considered precise measurements but are "best estimates" based on a sample of Montana employers and historical industry employment trends. OES demand data offers users a standard and useful tool for making planning decisions. There is no source of available data that will give users an exact and current picture of occupational demand in their area. Users of demand data should be aware of the following:

- . The data cover non-agricultural wage and salaried workers only (not agriculture or self-employed workers);
- . Staffing patterns are based on statewide data and do not reflect possible variations from area to area of the state;
- . Data are estimated, based on past trends, and therefore cannot predict unusual current or future economic conditions, or capture new occupations;
- . Data should be used as estimates, not as exact figures for a particular point in time for the state; and,
- . Average annual openings reflect growth and replacement, not current openings due to turnover and mobility.

Further OES Information

Montana's 1990 industry/occupation projections were produced to provide reliable estimates of occupational demand. The projections were produced using a matrix based on the Occupational Employment Statistics (OES) survey. Prior to last year, the projections were generated using 1980 census-based matrix. The OES survey-based matrix is more accurate, as well as reliable, because it deals with employers rather than households.

There are three major components to the Occupational Employment Statistics program:

- (1) Survey of non-farm wage and salary employment
- (2) Industry/Occupation matrix of staffing patterns
- (3) Projections

The OES survey involves a periodic mailing of survey forms to non-agricultural employers. This is done in a three year cycle. Different major industries are surveyed each year so that the entire sample is completed every three years.

The matrix is a model representing the occupational staffing patterns of each industry. The staffing patterns are based on the result of the OES survey. An important function of the matrix is that it shows where people work (industries) and what they do (occupations).

The third component of the program is the projections, which is the primary goal of the OES program. There are three elements of the projections: industry projections, occupation projections, and job openings. Job openings are made up of openings due to growth and openings due to separations from the labor force.

The projections show what is likely to happen barring major changes from past trends. The major economic assumptions used by the U.S. Bureau of Labor Statistics have been observed in these projections.

The assumptions are as follows:

- (1) The institutional framework of our economy will not change radically;
- (2) There will be no major events such as a widespread, long-lasting energy shortage or a war which would alter significantly the industrial structure of our economy or the rate of economic growth; and,
- (3) Current technological, scientific, and social trends, such as values placed on work, education, income and leisure, will continue.

This projection information can help us look into the future with some confidence. It is necessary to match individuals and jobs to decrease unemployment and increase job satisfaction; this could also benefit the business community and taxpayers. Through the use of the information provided, better decisions can be made for the future by having a more realistic knowledge of Montana's employment trends.

MONTANA OCCUPATIONAL AND EDUCATION/TRAINING
PROGRAM CLUSTERS

CLUSTER LIST

Agriculture Cluster

AG1 Agriculture Production
AG2 Agriculture Business
AG3 Agriculture Mechanics
AG4 Horticulture and Landscaping
AG5 Forestry
AG6 Fish and Wildlife

Graphic Arts and Fine Arts Cluster

GX1 Advertising and Writing
GX2 Drafting
GX3 Commercial Art and Fine Arts
GX4 Printing and Graphic Arts

Health Cluster

HE 1 Medical Records
HE 2 Dental Assisting
HE 3 Dental Hygiene
HE 4 Medical Laboratory
HE 5 Licensed Practical Nurse
HE 6 Medical Nursing Assistant
HE 7 Treatment Services
HE 8 Radiologic Technician
HE 9 Registered Nurse
HE10 Physician

Liberal Arts and Languages Cluster

LA1 Liberal Arts and Foreign Languages
LA2 History, Philosophy, and Social Sciences

Marketing Cluster

MK1 Real Estate Marketing
MK2 Marketing Management
MK3 Retail Marketing and Manufacturing
MK4 Recreation and Tourism
MK5 Insurance

Office Cluster

OF1 Bookkeeping and Accounting
OF2 Clerical Office Practice
OF3 Communications
OF4 Personnel, Labor Relations, and Law
OF5 Secretarial Office Practice
OF6 Office Management
OF7 Key Entry
OF8 Computer Science

Public Service Cluster

PS1 Emergency Medical Technician
PS2 Fire and Fire Safety
PS3 Police Science and Criminology

Skill Cluster

SK1 Electrical
SK2 Electronic
SK3 Air Conditioning and Refrigeration
SK4 Welding
SK5 Carpentry and Construction Trades
SK6 Heavy Equipment Mechanics and Operators
SK7 Automotive and Engine Mechanics
SK8 Machine Shop
SK9 Metalworking

Service Cluster

SV1 Institutional & Building Service
SV2 Vehicle Operators and Cleaners
SV3 Barbering
SV4 Cosmetology
SV5 Child Care Services and Teaching
SV6 Food Production, Management, and Services
SV7 Funeral Services

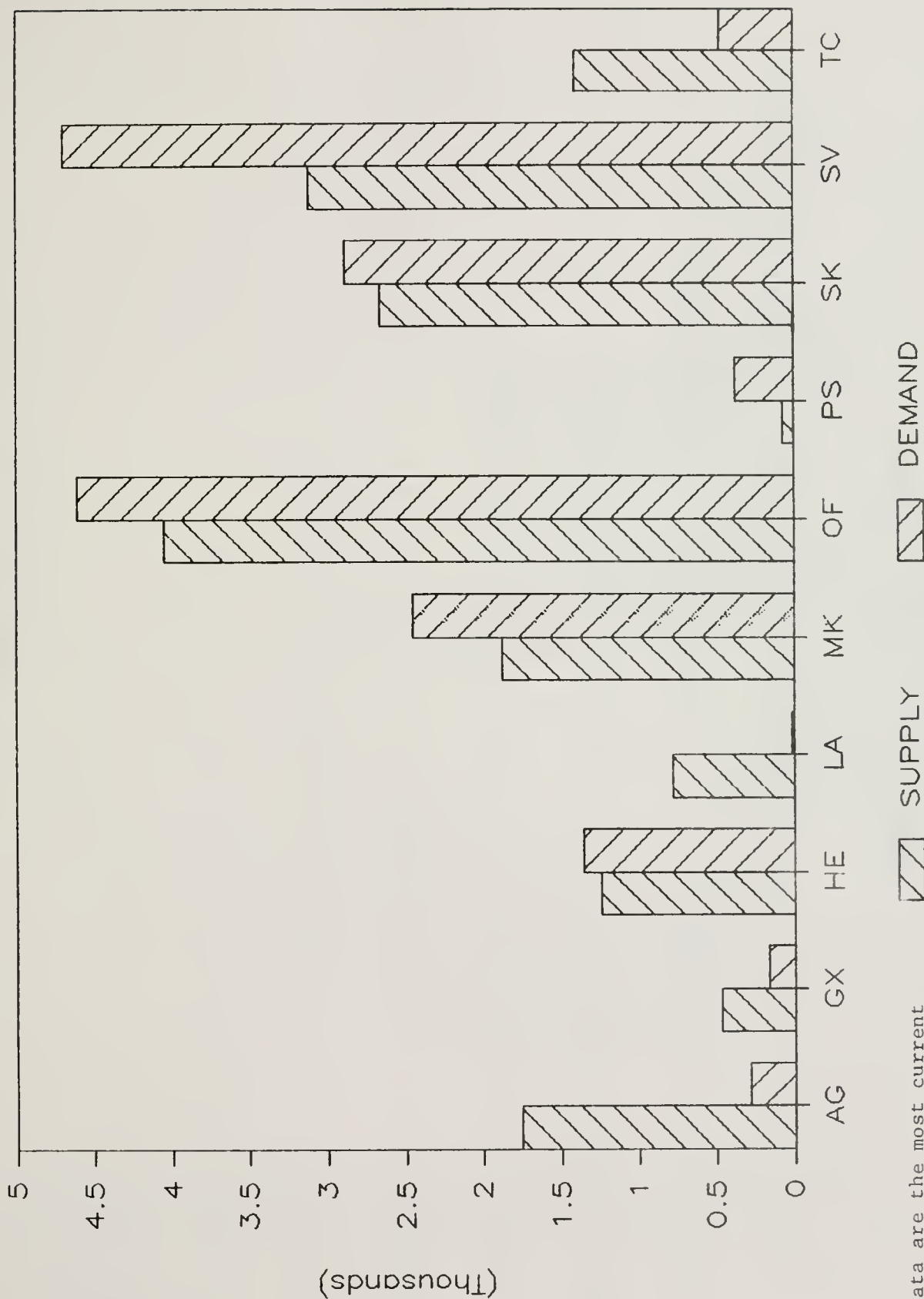
Technology Cluster

TC1 Power Station Operators
TC2 Civil Technology and Math Science
TC3 Chemical Technology
TC4 Environmental Control Technology
TC5 Mechanical Technology
TC6 Instrument Technology
TC7 Textile Technology
TC8 Commercial Aviation
TC9 Industrial Engineering

NOTE: Occupational demand, supply, and characteristics are related to each other by organizing them into clusters. A cluster is defined as "the grouping of education/training programs that have common curricula and occupational objectives coupled with the occupations that can be entered as an outcome of the training." Data are therefore presented via cluster in this report.

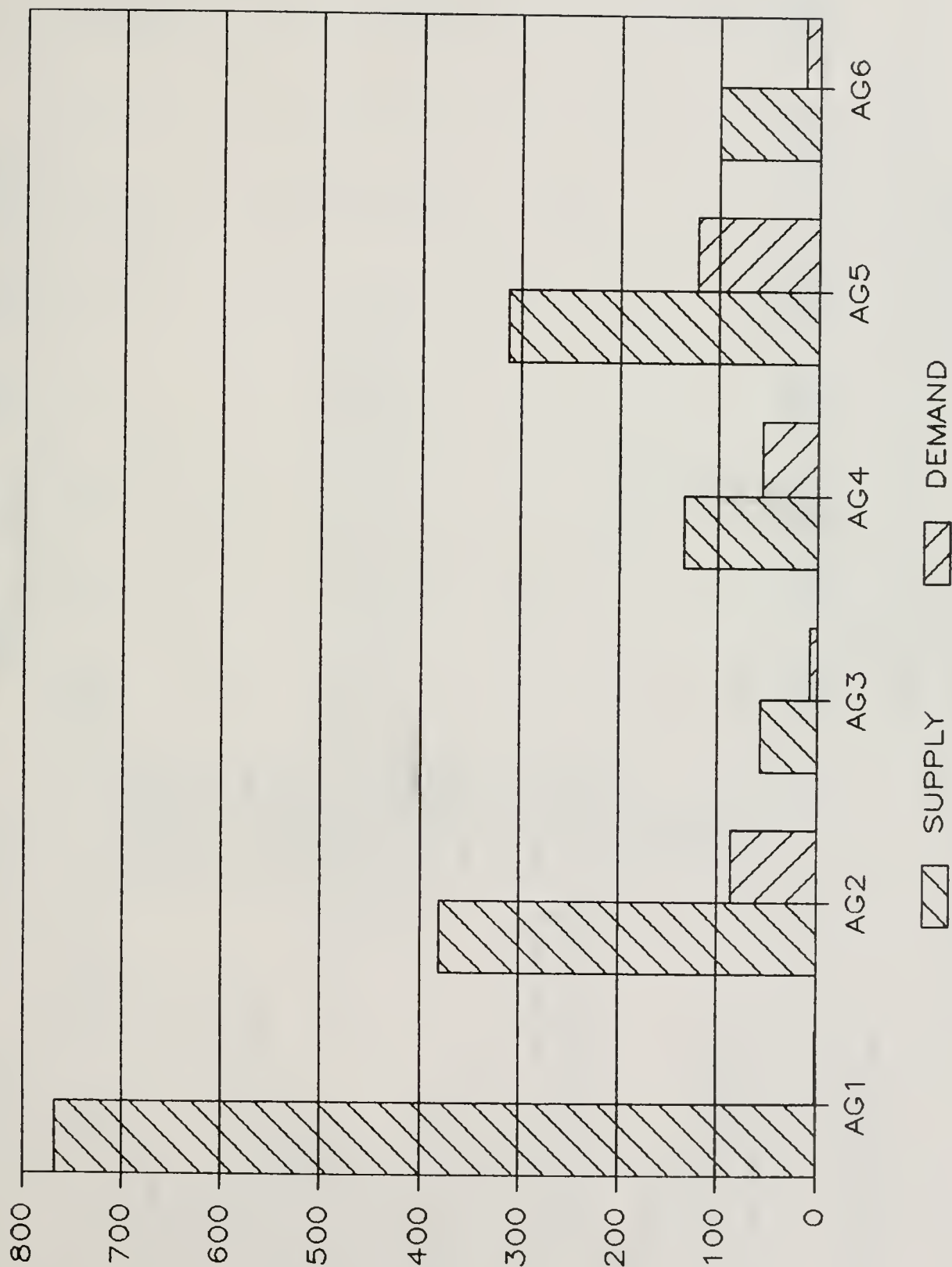
1982-1983* MONTANA O.I.S.

OCCUPATIONAL AND EDUCATIONAL CLUSTERS



*82-83 data are the most current available for this 84 report.

AGRICULTURE



09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG1-AGRICULTURE PRODUCTION

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AGRICULTURE PRODUCTION	01.0301	563							563
AGRICULTURAL TECHNOLOGIES	01.9999			16					16
BOTANY, GENERAL	26.0301			12					12
PLANT PATHOLOGY	26.0305			7					7
BOTANIST	041.061-038					1			1
SALES REPRESENTATIVE, ANIMAL-FEED PROD	272.357-010						2		2
SALES REPRESENTATIVE, FARM AND GARDEN	272.357-014					1			1
FARMWORKER, GRAIN 1	401.683-010					1			1
FARMER, VINE-FRUIT CROPS	403.161-014					1			1
FARMWORKER, LIVESTOCK	410.664-010					3	10		13
FARMWORKER, DAIRY	410.684-010						2		2
MILKER, MACHINE	410.685-010					1			1
FARMWORKER, GENERAL 1	421.683-010						35		35
FARMWORKER, GENERAL 2	421.687-010						1		1
SUPERVISOR, CHRISTMAS-TREE FARM	451.137-014					1			1
DAIRY HELPER	529.686-026					1			1
8 IN FILLER	922.687-010						1		1
MATERIAL HANDLER	929.687-030					2	107		109
CLUSTER TOTAL		563	0	35	0	12	158	0	768

AG1-AGRICULTURE PRODUCTION

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22224305	AGRICULTURAL & FOOD SCIENTIST	*					
66979011	GRADERS & SORTERS: AGRICULTUR	18	20	1	1		
CLUSTER TOTAL		18	20	1	1		768

*Note: Some occupations show no statistics in portions of this report. Those occupations can be found in more than one cluster. Please check another appropriate cluster if the detail you seek is not listed.

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AC2-AGRICULTURE BUSINESS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB. CORPS	SUPPLY TOTALS
AGRICULTURAL SCIENCES, GENERAL	02.0101			101					101
ANIMAL SCIENCES, GENERAL	02.0201			5					5
LIVESTOCK	02.0208			3					3
AGRONOMY	02.0402			11					11
RANGE MANAGEMENT	02.0409			6					6
SOIL SCIENCES, GENERAL	02.0501			5					5
AUCTIONEERING	08.0701				165				165
PRE-VETERINARY	18.2001			3					3
BOTANY, GENERAL	26.0301								
ENTOMOLOGY	26.0702			1					1
RANGE MANAGER	040.061-046					1		1	2
SOIL CONSERVATIONIST	040.061-054								
SEED ANALYST	040.361-014					1			1
BOTANIST	041.061-038								
LABORATORY TECHNICIAN, VETERINARY	073.361-010						1		1
COUNTY-AGRICULTURAL AGENT	096.127-010					1			1
EXTENSION SERVICE SPECIALIST	096.127-014					1			1
PRODUCTION SUPERINTENDENT	183.117-014					1	1		2
GENERAL SUPERINTENDENT, MILLING	183.167-014						1		1
ANIMAL-HOSPITAL CLERK	245.367-010						1		1
SUPERVISOR, AREA (Agri)	401.137-010					1			1
FARM-MACHINE OPERATOR	409.683-010								
FARM-MACHINE TENDER	409.685-010							2	2
FARMWORKER, MACHINE	409.686-010								

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

AG2-AGRICULTURE BUSINESS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BARN BOSS	410.131-010					1			1
LIVESTOCK RANCHER	410.161-018						1		1
ANIMAL CARETAKER	410.674-010					2	10		12
FARMWORKER, DAIRY	410.684-010								
HORSESHOER	418.381-010					1	1		2
HORSE TRAINER	419.224-010						1		1
FARMWORKER, GENERAL 2	421.687-010								
SORTER, AGRICULTURAL PRODUCE	529.687-186						4		4
FENCE ERECTOR	869.684-022						7		7
LABORER, STORES	922.687-058						38		38
LABORER, HIGH-DENSITY PRESS	929.687-018						1		1
CLUSTER TOTAL		0	0	135	165	10	70	0	380

09/26/84

MONTANA D E M A N D R E P O R T

AG2-AGRICULTURE BUSINESS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22224305	AGRICULTURAL & FOOD SCIENTIST	244	275	4	8	12	
22224502	BIOLOGICAL, AGR., FOOD TECHN.	1,557	1,706	19	52	71	
22631323	FARM & HOME MANAGEMENT ADVISO	39	44	1	1	2	
22732114	VETERINARIANS, VET. INSPECTOR	31	34		1	1	
CLUSTER TOTAL		1,871	2,059	24	62	86	380

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG3-AGRICULTURE MECHANICS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AGRICULTURE MECHANICS, GENERAL	01.0201								
AGRICULTURAL MECHANICS, GENERAL	01.0201			4					4
AGRICULTURE POWER MACHINERY	01.0204		21						21
AGRICULTURAL ENGINEERING	14.0301			9					9
FARMWORKER, GRAIN 1	401.683-010								
FARM-MACHINE OPERATOR	409.683-010						3		3
FARMWORKER, MACHINE	409.686-010						1		1
SUPERVISOR, FARM-EQUIPMENT MAINTENANCE	624.131-010					1			1
FARM-EQUIPMENT MECHANIC 1	624.281-010						1		1
FARM-EQUIPMENT-MECHANIC APPRENTICE	624.281-014						1		1
INSPECTOR AND TESTER	624.361-010						1		1
SPRINKLER-IRRIGATION-EQUIPMENT MECHANIC	624.361-014						1		1
FARM-EQUIPMENT MECHANIC 2	624.381-014						1		1
FARM-MACHINERY SET-UP MECHANIC	624.381-018						2		2
MAINTENANCE MECHANIC	638.281-014					1	10		11
CLUSTER TOTAL		0	21	13	0	2	21	0	57

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MONTANA D E M A N D R E P O R T

AC3-AGRICULTURE MECHANICS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122123	AGRICULTURAL ENGINEERS	17	30	2	1	3	
77285321	FARM EQUIPMENT MECHANICS	58	75	2	2	4	
CLUSTER TOTAL		75	105	4	3	7	57

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG4-HORTICULTURE & LANDSCAPING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
FLORICULTURE	01.0603				28				28
HORTICULTURIST	040.061-038					1			1
FLORAL DESIGNER	142.081-010					3			3
YARD WORKER	301.687-018						8		8
HORTICULTURAL-SPECIALTY GROWER, FIELD	405.161-014						1		1
HORTICULTURAL-SPECIALTY GROWER, INSIDE	405.161-018						3		3
HORTICULTURAL WORKER 1	405.684-014						1		1
HORTICULTURAL WORKER 2	405.687-014						3		3
GREENSKEEPER 2	406.683-010						3		3
GROUNDSKEEPER, INDUSTRIAL-COMMERCIAL	406.684-014					2	25		27
GROUNDSKEEPER, PARKS AND GROUNDS	406.687-010						46		46
LANDSCAPE GARDENER	408.161-010						7		7
TREE SURGEON	408.181-010						2		2
WEED INSPECTOR	408.381-014					1			1
LABORER, LANDSCAPE	408.687-014						1		1
CLUSTER TOTAL		0	0	0	28	7	100	0	135

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG5-FORESTRY LOGGING & LUMBER

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
FOREST PRODUCTION	03.0402	21							21
FORESTRY AND RELATED SCIENCES, GENERAL	03.0501			33					33
FOREST TECHNOLOGY	03.0501		1						1
FORESTRY SCIENCE	03.0502			3					3
FOREST MANAGEMENT	03.0506			61					61
FORESTRY & RELATED SERVICES, OTHER	03.0599			8					8
FORESTER	040.061-034					1	1		2
SOIL CONSERVATIONIST	040.061-054					1	1		2
SOIL SCIENTIST	040.061-058						1		1
FOREST NURSERY SUPERVISOR	451.137-010						1		1
FORESTER AIDE	452.364-010					3	58	4	65
FOREST WORKER	452.687-010					1	20		21
SUPERVISOR, FELLING-BUCKING	454.134-010					1			1
FALLER 1	454.384-010						14		14
FALLER 2	454.684-014						1		1
LOGGER, ALL-ROUND	454.684-018						14		14
CHAINSAW OPERATOR	454.687-010						3		3
LOG SCALER	455.487-010						3		3
CRUISER	459.387-010						1		1
HOT-PLATE-PLYWOOD-PRESS OPERATOR	569.685-054						1		1
STOCK GRADER	667.382-010						1		1
LOG-CUT-OFF SAWYER, AUTOMATIC	667.482-010						2		2
TRIMMER SAWYER	667.482-022						3		3
HEAD SAWYER	667.662-010						2		2

|-----S U P P L Y S O U R C E S-----|

AG5-FORESTRY LOGGING & LUMBER

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BAND-SCROLL-SAW OPERATOR	667.682-010						1		1
EDGER, AUTOMATIC	667.682-026						1		1
HEAD SAWYER, AUTOMATIC	667.682-034						2		2
VARIETY-SAW OPERATOR	667.682-086						1		1
BAND-SAW OPERATOR	667.685-014						1		1
SAWMILL WORKER	667.686-014					1	24		25
LOG INSPECTOR	667.687-014						13		13
MACHINE SETTER	669.280-010						2		2
CHAIN OFFBEARER	669.686-018					1			1
YARDING ENGINEER	921.663-066								
YARD SUPERVISOR	929.133-010						1		1
CLUSTER TOTAL		21	1	105	0	9	173	4	313

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MONTANA O E M A N D REPORT

AG5-FORESTRY LOGGING & LUMBER

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22224302	FORESTER, CONSERVATION SCIENT	966	1,056	11	27	38	
66272002	FIRST LINE SUPERV:AG, FOREST, F	63	83	3	4	7	
66373002	FALLERS AND BUCKERS	383	516	17	11	28	
66373005	CHOKE SETTERS	138	186	6	4	10	
66373008	LOG HANDLING EQUIPMENT OPERAT	203	269	8	4	12	
66373099	ALL OTHER TIMBER CUTTING WORK	7	9				
66979002	FOREST AND CONSERVATION WORKE	273	285	2	9	11	
66979008	LOG GRADERS AND SCALERS	49	66	2	2	4	
66979999	AGRIC., FOREST, FISH.(NO DETA	12	32	3	1	4	
77489308	WOOD MACHINISTS	52	70	2	1	3	
77592305	HEAD SAWYERS	60	80	3	2	5	
CLUSTER TOTAL		2,206	2,652	57	65	122	313

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

|-----SUPPLY SOURCES-----|

AG6-FISH & WILDLIFE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
RANGE MANAGEMENT	02.0409								
WILDLIFE MANAGEMENT	03.0601			57					57
ZOOLOGY, GENERAL	26.0701			28					28
RANGE MANAGER	040.061-046								
TAXIDERMIST	199.261-010					2	3		5
GUIDE, HUNTING AND FISHING	353.161-010					2			2
FISH AND GAME WARDEN	379.167-010					1	3		4
WILDLIFE CONTROL AGENT	379.267-010						1		1
FUR FARMER	410.161-014					1			1
FISH HATCHERY WORKER	446.684-010						2		2
CLUSTER TOTAL		0	0	85	0	6	9	0	100

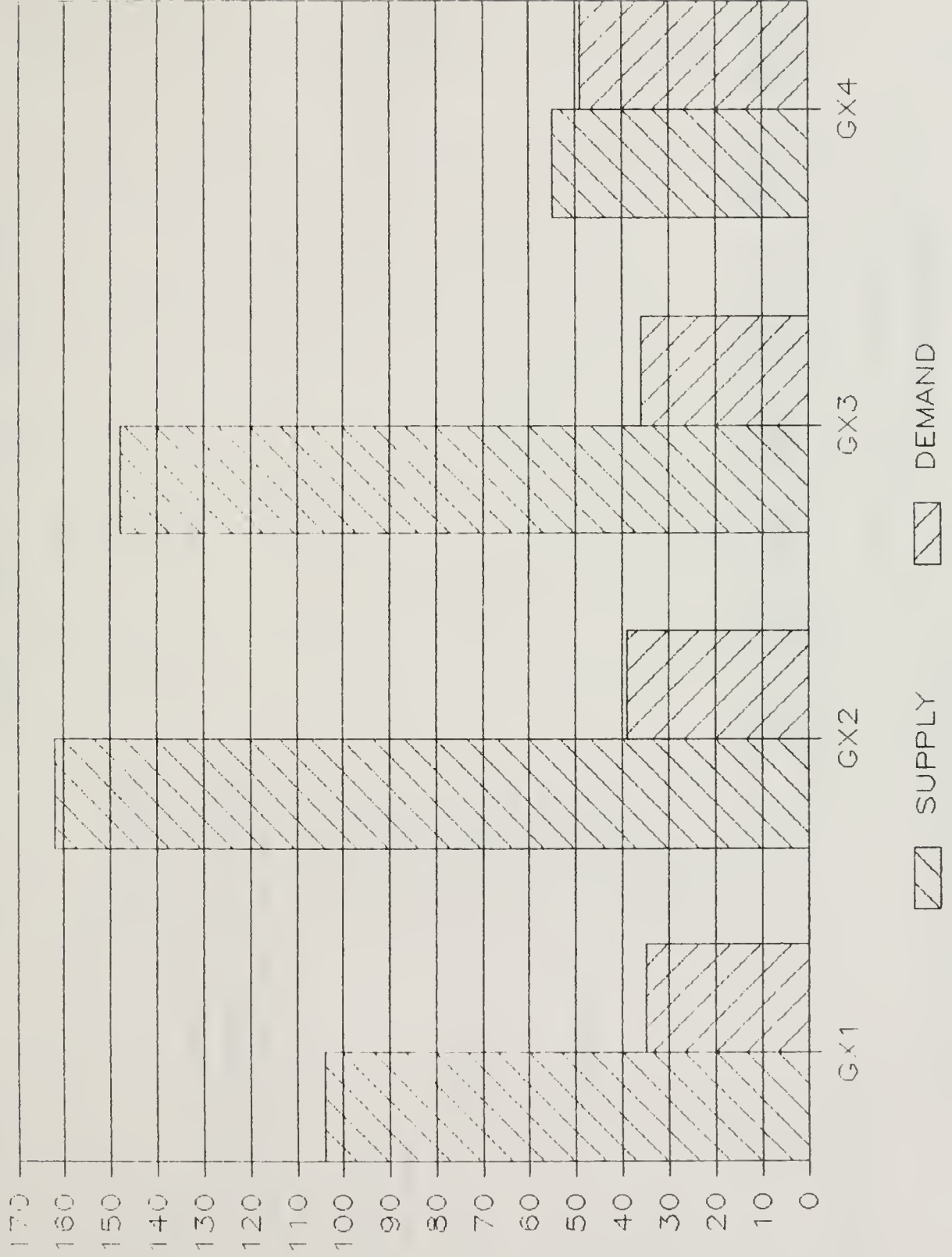
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AG6-FISH & WILDLIFE

MONTANA D E M A N D R E P O R T

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
55363041	FISH AND GAME WARDENS	84	87		4	4	
66979017	ANIMAL CARETAKERS, EXCEPT FAR	115	143	4	5	9	
CLUSTER TOTAL		199	230	4	9	13	100

GRAPHIC ARTS



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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

GX1-ADVERTISING & WRITING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
COMMUNICATIONS, GENERAL	09.0101			45					45
JOURNALISM	09.0401			24					24
CREATIVE WRITING	23.0501			14					14
COPY WRITER	131.067-014					1			1
WRITER, PROSE, FICTION AND NONFICTION	131.067-046					3			3
NEWSWRITER	131.267-014					2			2
REPORTER	131.267-018						2		2
WRITER, TECHNICAL PUBLICATIONS	131.267-026					2	1		3
INTERPRETER	137.267-010					1			1
MUSICIAN, INSTRUMENTAL	152.041-010						1		1
MANAGER, ADVERTISING	164.117-010						2		2
ACCOUNT EXECUTIVE	164.167-010					1			1
PUBLIC-RELATIONS REPRESENTATIVE	165.067-010					1	2		3
SALES REPRESENTATIVE, SIGNS AND DISPLA	254.257-010								
LEASING AGENT, OUTDOOR ADVERTISING	254.357-010					1			1
SALES REPRESENTATIVE, RADIO AND TELEVI	259.357-018								
PROGRAM ASSISTANT	962.167-014								
EDITOR, FILM	962.264-010					1			1
CLUSTER TOTAL		0	0	83	0	13	8	0	104

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MONTANA D E M A N D R E P O R T

GX1-ADVERTISING & WRITING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22834002	WRITERS AND EDITORS	277	306	4	10	14	
22834005	TECHNICAL WRITERS	13	14				
22834008	PUBLIC RELATIONS SPECIALISTS	140	160	3	5	8	
22834011	REPORTERS AND CORRESPONDENTS	223	237	2	8	10	
22834014	BROADCAST NEWS ANALYSTS	45	48		1	1	
22834017	ANNOUNCERS: RADIO, TELEVISION						
22834032	FILM EDITORS	1	1				
44353908	ADVERTISING CLERKS	45	48		2	2	
		744	814	9	26	35	104
CLUSTER TOTAL							

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

GX2-DRAFTING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MECHANICAL DESIGN TECHNOLOGY	15.0805			3					3
DRAFTING, GENERAL	48.0101	99	22						121
DRAFTER, ARCHITECTURAL	001.261-010					4	2		6
DRAFTER, ELECTRONIC	003.281-014					1			1
DRAFTER, CIVIL	005.281-010					4	3		7
DRAFTER, STRUCTURAL	005.281-014						1		1
DIE-DRAWING CHECKER	007.167-010								
DRAFTER, MECHANICAL	007.281-010						1		1
DRAFTER, GEOLOGICAL	010.281-014						1		1
DRAFTER, GEOPHYSICAL	010.281-018					2	2		4
DRAFTER, COMMERCIAL	017.261-026					5	2		7
DRAFTER APPRENTICE	017.281-014						1		1
DRAFTER, ASSISTANT	017.281-018						1		1
DRAFTER, CARTOGRAPHIC	018.261-010						5		5
DRAFTER, TOPOGRAPHICAL	018.261-014						3		3
CLUSTER TOTAL		99	22	3	0	16	22	0	162

GX2-DRAFTING

MONTANA D E M A N D R E P O R T

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122514	DRAFTERS	602	744	18	21	39	
CLUSTER TOTAL		602	744	18	21	39	162

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

GX3-COMMERCIAL/FINE ART

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
VISUAL AND PERFORMING ARTS, GENERAL	50.0101			69					69
DANCE	50.0301			3					3
FINE ARTS, GENERAL	50.0701			35					35
MUSIC PERFORMANCE	50.0903			10					10
MUSIC THEORY AND COMPOSITION	50.0904			1					1
CURATOR	102.017-010							5	5
ART CONSERVATOR	102.167-010							1	1
GRAPHIC DESIGNER	141.061-018							1	1
ILLUSTRATOR	141.061-022					1		2	3
CARTOONIST, MOTION PICTURES	141.081-010					1			1
INTERIOR DESIGNER	142.051-014					2			2
SET DESIGNER	142.061-050							2	2
PHOTOGRAPHER, STILL	143.062-030							1	1
INSTRUCTOR, DANCING	151.027-014							1	1
DANCER	151.047-010							1	1
MUSICIAN, INSTRUMENTAL	152.041-010					3		2	5
PRODUCER	187.167-174					1			1
MODEL MAKER, WOOD	661.380-010								
PICTURE FRAMER	739.684-146							1	1
MOLD MAKER	777.684-014							2	2
EDITOR, FILM	962.264-010								
SIGN WRITER, HAND	970.281-022					1			1
PAINTER, HAND	970.381-022					1			1

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

GX3-COMMERCIAL/FINE ART

-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC		VO-ED		HIGHER ED.	PROP.		VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
		SEC	VO-TECH	ED.	SCHOOLS		SCHOOLS	REHAB				
CLUSTER TOTAL		0	0	118	0	11	19	0	148			

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MONTANA DEMAND REPORT

GX3-COMMERCIAL/FINE ART

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22631508	AUDIO-VISUAL SPECIALISTS	65	72	1	3	4	
22631511	CURATORS, ARCHIVISTS, MUSEUM TE	70	83	2	3	5	
22834026	TV & MOTION PIC. CAMERA OPERA	3	3				
22834035	ARTISTS AND RELATED WORKERS	106	124	2	4	6	
22834038	DESIGNERS, EXC. INTERIOR DESI	224	275	6	6	12	
22834047	MUSIC: DIRECTOR, SINGER, COMP	17	19		1	1	
22834051	MUSICIANS, INSTRUMENTAL	37	45	1	1	2	
22834056	PRODUCERS, ACTORS, ENTERTAIN	9	11				
55868032	WARDROBE ATTENDANTS	4	5				
77592905	MOTION PICTURE PROJECTIONISTS	72	76	1	5	6	
CLUSTER TOTAL		607	713	13	23	36	148

|-----S U P P L Y S O U R C E S-----|

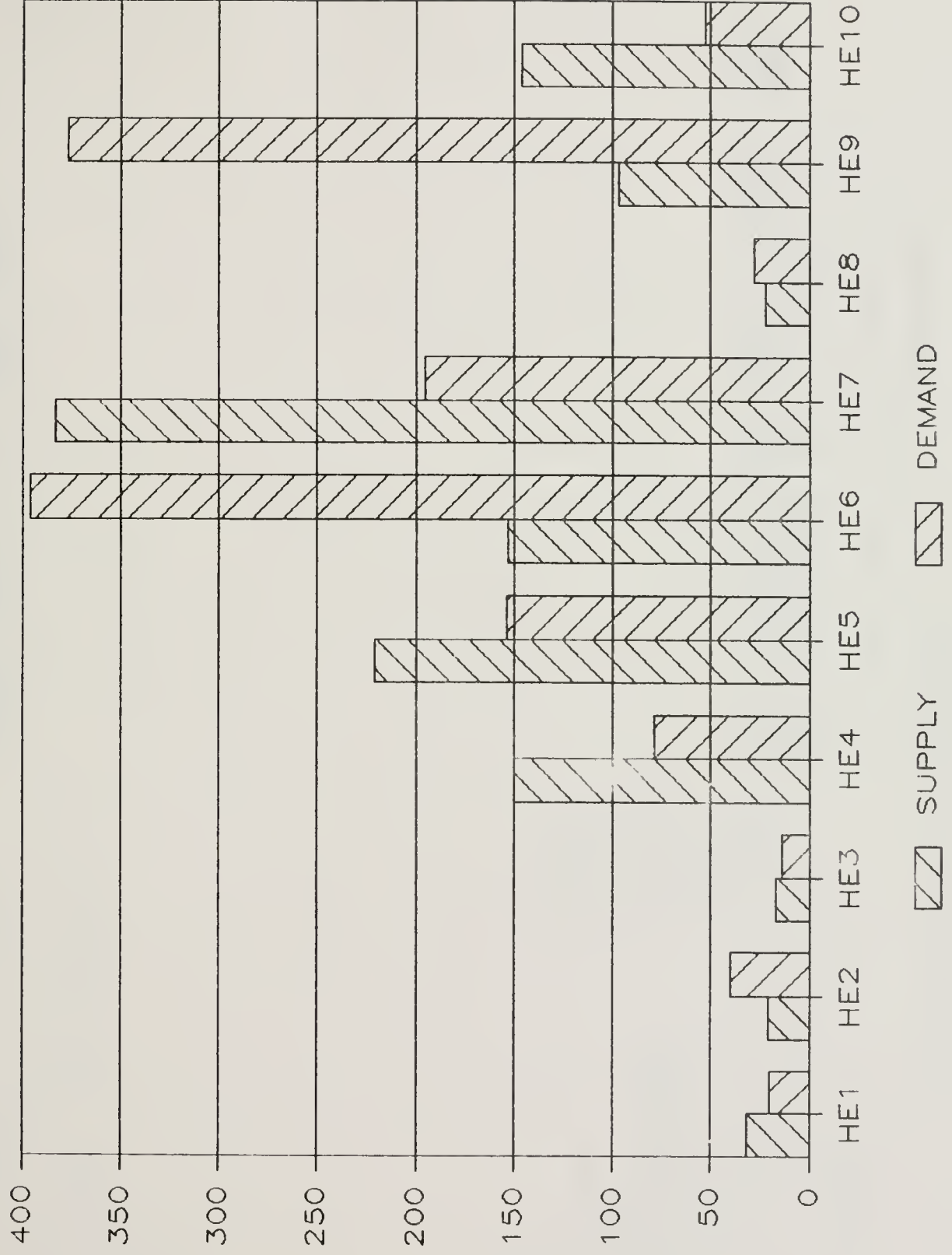
GX4-PRINTING & GRAPHIC ARTS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
GRAPHIC & PRINTING COMMUNICATIONS	48.0201	28							28
PHOTOGRAPHER, STILL	143.062-030								
ESTIMATOR, PRINTING	221.367-014							1	1
PRESS MAINTAINER	627.281-010							1	1
WEB-PRESS-OPERATOR APPRENTICE	651.362-034							1	1
PRINTER 2	651.380-010					1		1	2
TAB-CARD-PRESS OPERATOR	651.382-034							1	1
OFFSET-PRESS OPERATOR 1	651.482-010						2		2
OFFSET-PRESS-OPERATOR APPRENTICE	651.482-014							1	1
DIRECTOR, TECHNICAL	962.162-010							1	1
JOB PRINTER	973.381-018							1	1
JOB-PRINTER APPRENTICE	973.381-022							1	1
MICROFICHE DUPLICATOR	976.381-014							1	1
PHOTOGRAPHER HELPER	976.667-010						2		2
DEVELOPER	976.681-010						5		5
PHOTO CHECKER AND ASSEMBLER	976.687-014							1	1
BOOKBINDER	977.381-010							1	1
PASTE-UP COPY-CAMERA OPERATOR	979.381-018							1	1
MAP-AND-CHART MOUNTER	979.684-022							1	1
PRINT-SHOP HELPER	979.684-026						3		3
CLUSTER TOTAL		28	0	0	0	1	26	0	55

GX4-PRINTING & GRAPHIC ARTS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22834023	PHOTOGRAPHERS	78	89	1	2	3	
44353911	PROOFREADERS AND COPY MARKERS	34	39	1	1	2	
44656005	DUPLICATING MACHINE OPERATORS	22	28	1	1	2	
77489702	PRECISION TYPESETTERS	46	49		2	2	
77489705	JOB PRINTERS	30	32		1	1	
77489708	PRECISION LITHOGRAPHERS	48	56	1	1	2	
77489711	BOOKBINDERS	33	37	1	1	2	
77489914	PRECISION PHOTOGRAPHIC PROCES	63	87	3	2	5	
77592512	OFFSET LITHOGRAPHIC PRESS SET	111	122	1	3	4	
77592515	LETTERPRESS SETTER/OPERATOR	23	25		1	1	
77592519	ALL OTHER PRINTING PRESS SET/	7	7				
77592521	PHOTOENGRAVING PHOTOGRAPHERS	25	27		1	1	
77592525	BINDERY MACHINE SETTER/OPERAT	48	54	1	2	3	
77592529	ALL OTHER PRINTING SETTER/OPE	82	94	2	2	4	
77592541	TYPESETTING MACH. OPERATOR/TE	73	82	1	2	3	
77592543	PRINTING PRESS MACHINE OPERAT	110	119	1	3	4	
77592545	PHOTOENGRAVING MACHINE OPERAT	6	6				
77592546	BINDERY MACHINE OPERATOR	50	55	1	2	3	
77592549	OTHER PRINTING MACHINE OPERAT	52	57	1	1	2	
77592908	PHOTOGRAPHIC PROCESSING MACH.	55	75	3	2	5	
CLUSTER TOTAL		996	1,140	19	30	49	55

HEALTH



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MONTANA SUPPLY REPORT

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|-----S U P P L Y S O U R C E S-----|

HE1-MEDICAL RECORDS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MEDICAL SECRETARIAL	07.0605		10	2					12
MEDICAL RECORDS ADMINISTRATION	18.0703			4					4
MEDICAL-RECORD ADMINISTRATOR	079.167-014					1			1
MEDICAL SECRETARY	201.362-014					6	4		10
MEDICAL-RECORD CLERK	245.362-010					2			2
WARD CLERK	245.362-014					1	2		3
CLUSTER TOTAL		0	10	6	0	10	6	0	32

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MONTANA D E M A N D R E P O R T

HET-MEDICAL RECORDS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22732911	MEDICAL RECORDS TECHNICIANS	126	157	4	6	10	
44555105	MEDICAL SECRETARIES	133	174	5	5	10	
CLUSTER TOTAL		259	331	9	11	20	32

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

HE2-DENTAL ASSISTING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
DENTAL ASSISTING	17.0101		17						17
DENTAL ASSISTANT	079.371-010						4		4
CLUSTER TOTAL		0	17	0	0	0	4	0	21

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MONTANA O E M A N D REPORT

HE2-DENTAL ASSISTING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
55666002	DENTAL ASSISTANTS	558	683	16	22	38	
77489921	PRECISION DENTAL LABORATORY T	32	41	1	1	2	
CLUSTER TOTAL		590	724	17	23	40	21

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

HE3-DENTAL HYGIENE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
DENTAL HYGIENE	17.0102			16					16
DENTAL HYGIENIST	078.361-010					1			1
CLUSTER TOTAL		0	0	16	0	1	0	0	17

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HE3-DENTAL HYGIENE

MONTANA D E M A N D R E P O R T

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22732908	DENTAL HYGIENISTS	194	240	6	8	14	
CLUSTER TOTAL		194	240	6	8	14	17

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

HE4-MEDICAL LABORATORY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MEDICAL LABORATORY TECHNOLOGY	17.0309			12	10				22
MEDICAL TECHNOLOGY	17.0310			2					2
BIOLOGY, GENERAL	26.0101			112					112
BIOCHEMISTRY	26.0201			5					5
BIOLOGIST	041.061-030				1			1	2
MICROBIOLOGIST	041.061-058				1				1
BIOLOGY SPECIMEN TECHNICIAN	041.381-010							1	1
MEDICAL TECHNOLOGIST	078.361-014				2		1		3
MEDICAL-LABORATORY ASSISTANT	078.381-010						2		2
CLUSTER TOTAL		0	0	131	10	4	5	0	150

HE4-MEDICAL LABORATORY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22224308	BIOLOGICAL SCIENTISTS	287	315	4	7	11	
22224599	PHYS/LIFE SCI. TECHN.(NO DETA	492	572	10	9	19	
22732902	MED./CLINICAL LAB. TECHNOLOGI	526	676	19	17	36	
22732905	MED./CLINICAL LAB. TECHNICIAN	122	156	4	4	8	
22732923	ELECTROENCEPHALOGRAPH TECHN.	19	25	1	1	2	
22732926	ELECTROCARDIOGRAPH TECHNICIAN	48	61	2	1	3	
CLUSTER TOTAL		1,494	1,805	40	39	79	150

10/05/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983

|-----S U P P L Y S O U R C E S-----|

HE5-LICENSED PRACTICAL NURSE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
SURGICAL TECHNOLOGY	17.0211		15						15
PRACTICAL NURSING	17.0605		180						180
NURSE, LICENSED PRACTICAL	079.374-014					10	9		19
SURGICAL TECHNICIAN	079.374-022					1	1		2
NURSE, PRACTICAL	354.374-010					4	1		5
CLUSTER TOTAL		0	195	0	0	15	11	0	221

10/05/84

MONTANA D E M A N D R E P O R T

HE5-LICENSED PRACTICAL NURSE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22732505	LICENSED PRACTICAL NURSES	1,676	2,159	60	82	142	
22732928	SURGICAL TECHNICIANS	170	222	7	5	12	
CLUSTER TOTAL		1,846	2,381	67	87	154	221

10/05/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983

-----SUPPLY SOURCES-----|

HE6-MEDICAL NURSING ASSISTANT

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
NURSING ASSISTING	17.0602		16						16
MEDICAL ASSISTANT	079.367-010						2		2
COORDINATOR, VOLUNTEER SERVICES	187.167-022						1		1
COMPANION	309.677-010						6		6
HOME ATTENDANT	354.377-014					2	2		4
PSYCHIATRIC AIDE	355.377-014					1	11		12
NURSE AIDE	355.674-014					7	96		103
ORDERLY	355.674-018					3	5		8
HOSPITAL ENTRANCE ATTENDANT	355.677-014					1			1
CLUSTER TOTAL		0	16	0	0	14	123	0	153

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MONTANA D E M A N D R E P O R T

HE6-MEDICAL NURSING ASSISTANT

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
55666005	MEDICAL ASSISTANTS	231	278	6	9	15	
55666008	NURSING AIDES, ORDERLIES	4,635	5,936	163	197	360	
55666011	HOME HEALTH AIDES	6	8				
55666014	PSYCHIATRIC AIDES	247	324	10	11	21	
CLUSTER TOTAL		5,119	6,546	179	217	396	153

|-----S U P P L Y S O U R C E S-----|

HE7-TREATMENT SERVICES

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
RESPIRATORY THERAPY TECHNOLOGY	17.0210		24						24
MENTAL HEALTH/HUMAN SERVICES TECHNOLOG	17.0406			18					18
REHABILITATION COUNSELING	17.0407			20					20
MENTAL HEALTH/HUMAN SERVICES - OTHER	17.0499			1					1
PHYSICAL THERAPY	17.0813			18					18
SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY	17.0821			22					22
PHARMACY	18.1401			38					38
PSYCHOLOGY, GENERAL	42.0101			88					88
SOCIAL WORK, GENERAL	44.0701			40					40
HUMAN SERVICES	45.9999			8					8
BIOMEDICAL ENGINEER	019.061-010					1			1
PSYCHOLOGIST, EXPERIMENTAL	045.061-018					1			1
COUNSELOR	045.107-010					23	8		31
DIRECTOR OF COUNSELING	045.107-018					1			1
PSYCHOLOGIST, CLINICAL	045.107-022					1			1
PSYCHOLOGIST, COUNSELING	045.107-026					1			1
RESIDENCE COUNSELOR	045.107-038					1			1
VOCATIONAL-REHABILITATION COUNSELOR	045.107-042					4	1		5
PHARMACIST	074.161-010					2	1		3
PHYSICAL THERAPIST	076.121-014					3			3
DIALYSIS TECHNICIAN	078.362-014						1		1
COMMUNITY-SERVICES-AND-HEALTH-EDUCATIO	079.167-010						1		1
RESPIRATORY THERAPIST	079.361-010					8	4		12
EDUCATIONAL THERAPIST	094.227-010					1			1

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

HE7-TREATMENT SERVICES

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
TEACHER, HANDICAPPED STUDENTS	094.227-018					2			2
TEACHER, MENTALLY RETARDED	094.227-022					6	5		11
CASEWORKER	195.107-010					3	4		7
SOCIAL WORKER, MEDICAL	195.107-030					7	6		13
SOCIAL WORKER, PSYCHIATRIC	195.107-034						4		4
GROUP WORKER	195.164-010					1	1		2
HUMAN RELATIONS OR DRUG AND ALCOHOL CO	195.267-014						1		1
PHYSICAL THERAPY AIDE	355.354-010					1	1		2
PROSTHETICS TECHNICIAN	712.381-038					1			1
OPTICIAN, DISPENSING 1	713.361-014					1			1
CLUSTER TOTAL		0	24	253	0	67	39	0	383

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MONTANA D E M A N D R E P O R T

HE7-TREATMENT SERVICES

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11515008	MEDICINE AND HEALTH SERV. MGR	113	148	4	4	8	
22224399	LIFE SCIENTISTS (NO DETAIL)	43	52	1	1	2	
22427302	MED./PSYCHIATRIC SOCIAL WORKE	77	101	3	3	6	
22427305	SOCIAL WORKERS, EXC. MED./PSY	1,146	1,319	22	41	63	
22631514	VOCATIONAL AND EDUC. COUNSELO						
22732199	HEALTH PRACTITIONERS (NO DETA	22	27	1	2	3	
22732302	RESPIRATORY THERAPISTS	217	282	8	8	16	
22732305	OCCUPATIONAL THERAPISTS	38	50	2	1	3	
22732308	PHYSICAL THERAPISTS	110	142	4	4	8	
22732311	CORRECTIVE, RECREATION THERAPI	42	53	1	1	2	
22732314	SPEECH PATHOLOGISTS,AUDIOLOGI	211	244	4	7	11	
22732399	THERAPISTS (NO DETAIL)	96	123	3	3	6	
22732517	PHARMACISTS	385	484	12	23	35	
22732523	DIETETIC TECHNICIANS	36	47	1	1	2	
22732999	OTHER HEALTH PROFESSIONALS,TE	224	258	4	7	11	
55666017	PHYSICAL THERAPY ASSISTANTS	79	105	3	3	6	
55666021	OCCUPATIONAL THERAPY ASSISTAN	27	35	1	1	2	
55666026	PHARMACY ASSISTANTS	58	74	2	3	5	
55666099	HEALTH SERVICE WORKER(NO DETA	84	110	3	3	6	
CLUSTER TOTAL		3,008	3,654	79	116	195	383

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

HES-RADIOLOGIC TECHNICIAN

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TITLE		CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS		-----	
RADIOGRAPH MEDICAL TECHNOLOGY		17.0209									22	22	
CLUSTER TOTAL			0	0	0	22	0	0	0		22	22	

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MONTANA D E M A N D R E P O R T

HE8-RADIOLOGIC TECHNICIAN

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22732914	NUCLEAR MED. & RADIOLOGIC TEC	408	516	14	14	28	
CLUSTER TOTAL		408	516	14	14	28	22

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

HE9-REGISTERED NURSE

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
NURSING, GENERAL	18.1101			71					71
DIRECTOR, NURSING SERVICE	075.117-022						1		1
NURSE, SCHOOL	075.124-010					1			1
NURSE, STAFF, COMMUNITY HEALTH	075.124-014					1			1
NURSE, CONSULTANT	075.127-014					1			1
NURSE, HEAD	075.127-018					1			1
NURSE PRACTITIONER	075.264-010					1			1
NURSE, GENERAL DUTY	075.374-010					11	8		19
NURSE, PRIVATE DUTY	075.374-018					1			1
CLUSTER TOTAL		0	0	71	0	17	9	0	97

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MONTANA D E M A N D R E P O R T

HE9-REGISTERED NURSE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22631114	NURSING INSTRUCTORS	24	31	1	1	2	
22732502	REGISTERED NURSES	4,743	6,075	167	208	375	
CLUSTER TOTAL		4,767	6,106	168	209	377	97

HE10-PHYSICIAN

-----S U P P L Y S O U R C E S-----|

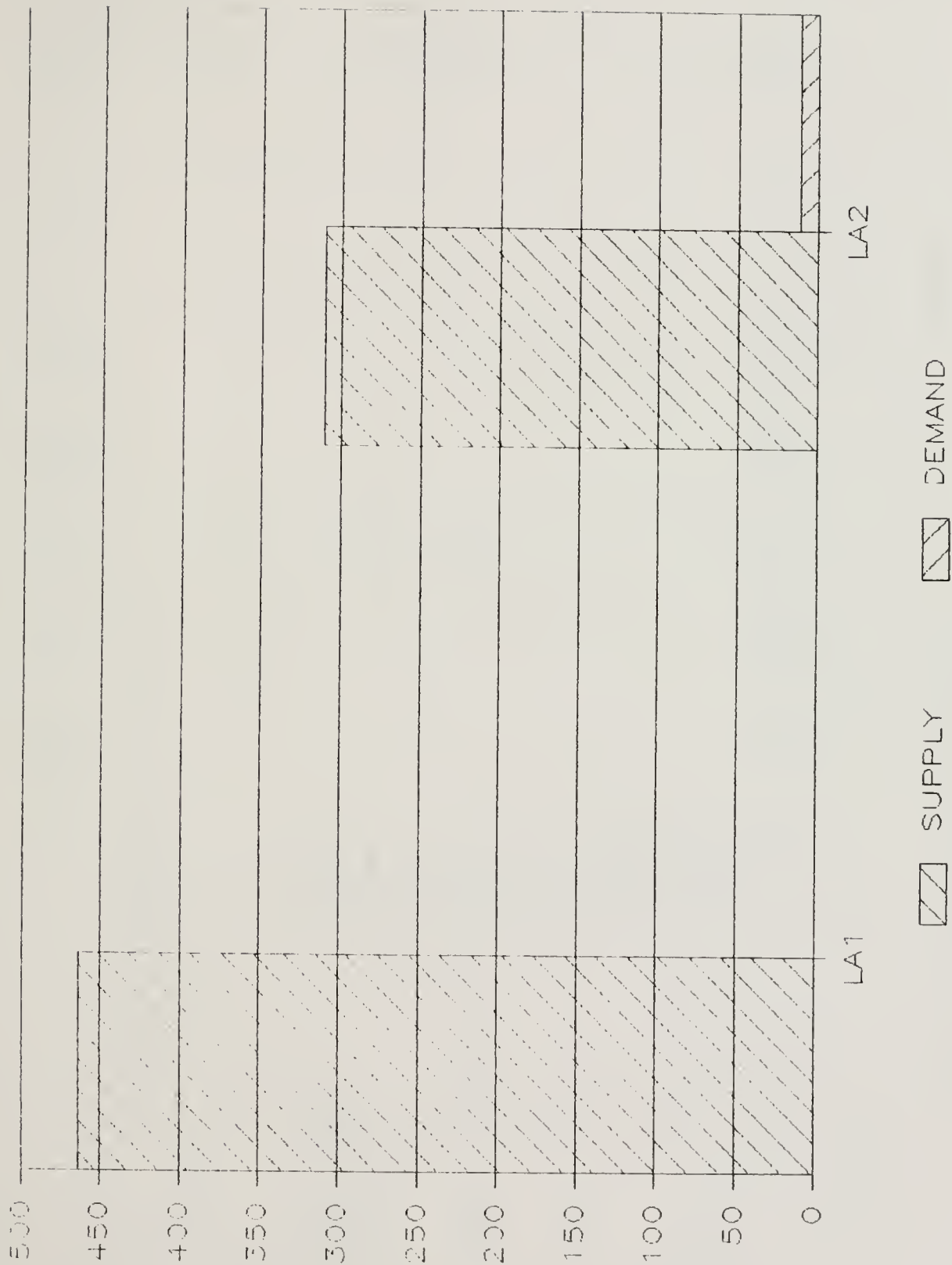
TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MEDICINE, OTHER	18.1099			144					144
PHYSICIAN, HEAD	070.101-074					1			1
DENTIST	072.101-010					1			1
CLUSTER TOTAL		0	0	144	0	2	0	0	146

HE10-PHYSICIAN

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22427108	PSYCHOLOGISTS	211	265	7	5	12	
22732102	PHYSICIANS AND SURGEONS *	634	773	17	10	27	
22732105	DENTISTS	207	257	6	4	10	
22732108	OPTOMETRISTS	14	18	1	1	2	
22732111	PODIATRISTS	8	10				
22732511	PHYSICIAN'S ASSISTANTS	17	21	1	1	2	
CLUSTER TOTAL		1,091	1,344	32	21	53	146

*Note: As stated earlier in this report, many professionals are self-employed and therefore are not included in this survey. Data provided by the Montana Medical Association indicates that there are 1,215 physicians and surgeons licensed to practice medicine in the state as of September 19, 1984.

LIBERAL ARTS



09/26/84

M O N T N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

LA1-LIB ARTS/LANGUAGES*

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
EDUCATION, GENERAL	13.0101			105					105
FOREIGN LANGUAGES, MULTIPLE EMPHASIS	16.0101			8					8
RUSSIAN	16.0402			1					1
GERMAN	16.0501			6					6
FRENCH	16.0901			7					7
LATIN	16.0903			1					1
SPANISH	16.0905			7					7
ENGLISH, GENERAL	23.0101			97					97
CLASSICS	23.0201			3					3
LIBERAL/GENERAL STUDIES	24.0101			150					150
ASSOCIATE OF ARTS	30.7891			30					30
ARTS AND SCIENCES, GENERAL	30.7894			46					46
INTERDISCIPLINARY STUDIES	30.7898			3					3
CLUSTER TOTAL		0	0	464	0	0	0	0	464

*No demand data available for this cluster

LA2-HIST/PHILOS/SOC SCI.

-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AMERICAN INDIAN STUDIES	05.0202			2					2
NATURAL HERITAGE	30.7896			7					7
SOCIETY AND TECHNOLOGY	30.7897			21					21
PHILOSOPHY	38.0101			11					11
RELIGION	38.0201			4					4
RELIGIOUS EDUCATION	39.0401			1					1
THEOLOGICAL STUDIES	39.0601			2					2
SOCIAL SCIENCES, GENERAL	45.0101			1					1
ANTHROPOLOGY	45.0201			22					22
HISTORY	45.0801			70					70
POLITICAL SCIENCE AND GOVERNMENT	45.1001			59					59
SOCIOLOGY	45.1101			94					94
HISTORY/POLITICAL SCIENCE	45.7899			6					6
POLITICAL SCIENTIST	051.067-010					2			2
SOCIOLOGIST	054.067-014					2	1		3
ARCHEOLOGIST	055.067-018						2		2
CLERGY MEMBER	120.007-010					3			3
CLUSTER TOTAL		0	0	300	0	7	3	0	310

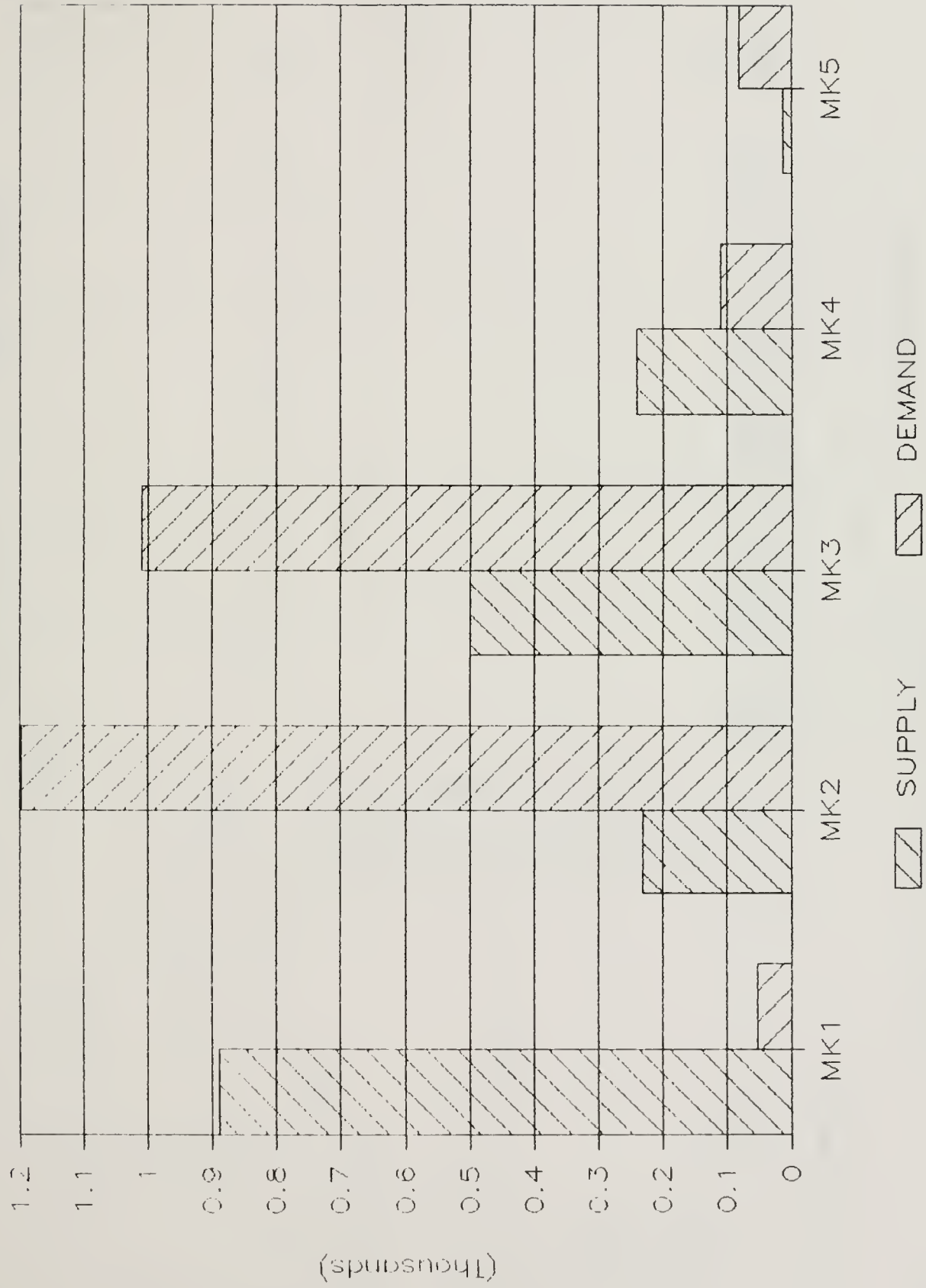
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MONTANA O E M A N D R E P O R T

LA2-HIST/PHILOS/SOC SCI.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22427199	SOCIAL SCIENTISTS (NO DETAIL)	112	142	4	4	8	
22427502	CLERGY	43	50	1	2	3	
22427505	DIRECTORS:RELIGIOUS ACTIV./ED						
CLUSTER TOTAL		155	192	5	6	11	310

MARKETING



09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK1-REAL ESTATE MARKETING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
REAL ESTATE, GENERAL	06.1701				868				868
ABSTRACTOR	119.267-010					1			1
TITLE CLERK	162.267-010						1		1
CONTRACTOR	182.167-010					2	1		3
REAL-ESTATE AGENT	186.117-058					2			2
APPRAISER	188.167-010					1			1
BUSINESS-OPPORTUNITY-AND-PROPERTY-INVE	189.157-010						1		1
MORTGAGE-PROCESSING CLERK	203.382-022						1		1
TITLE SEARCHER	209.367-046						1		1
REAL-ESTATE CLERK	219.362-046						1		1
BUILDING CONSULTANT	250.357-010					2			2
SALES AGENT, REAL ESTATE	250.357-018					5	2		7
CLUSTER TOTAL		0	0	0	868	13	8	0	889

MK1-REAL ESTATE MARKETING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11515011	PROPERTY, REAL ESTATE MANAGEM	118	123	1	4	5	
22021917	ASSESSORS	189	200	1	15	16	
22528308	TITLE SEARCHERS	46	59	2	2	4	
22528311	TITLE EXAMINERS AND ABSTRACTO	85	108	3	3	6	
33343005	BROKERS: REAL ESTATE	23	21		1	1	
33343008	SALES AGENTS: REAL ESTATE	104	127	3	7	10	
33343011	APPRAISERS: REAL ESTATE	62	73	1	4	5	
44353914	REAL ESTATE CLERKS	113	124	1	4	5	
CLUSTER TOTAL		740	835	12	40	52	889

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK2-MARKETING MANAGEMENT

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BANKING AND FINANCE	06.0301			99					99
BUSINESS ECONOMICS	06.0501			11					11
INTERNATIONAL BUSINESS MANAGEMENT	06.0901			2					2
MARKETING MANAGEMENT	06.1401		16	10					26
ECONOMICS	45.0601			38					38
QUALITY-CONTROL TECHNICIAN	012.261-014								
FINANCIAL ANALYST	020.167-014					1			1
ECONOMIST	050.067-010					2			2
MARKET-RESEARCH ANALYST 1	050.067-014					2			2
TREASURER	161.117-018					1			1
SECURITIES TRADER 1	162.157-042					2	1		3
MANAGER, EXPORT	163.117-014					1			1
MANAGER, ADVERTISING	164.117-010								
SUPERVISOR OF SALES	185.157-014					1			1
COMMISSARY MANAGER	185.167-010						1		1
MANAGER, AUTOMOBILE SERVICE STATION	185.167-014					1	1		2
MANAGER, MERCHANDISE	185.167-034						1		1
MANAGER, RETAIL STORE	185.167-046					5	11		16
BUSINESS MANAGER, COLLEGE OR UNIVERSIT	186.117-010					1			1
CUSTOMS-HOUSE BROKER	186.117-018					1			1
TREASURER, FINANCIAL INSTITUTION	186.117-070								
MANAGER, PROPERTY	186.167-046						1		1
LOAN OFFICER	186.267-018						1		1
DIVISION MANAGER, CHAMBER OF COMMERCE	187.167-042						1		1

|-----S U P P L Y S O U R C E S-----|

MK2-MARKETING MANAGEMENT

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BUSINESS-OPPORTUNITY-AND-PROPERTY-INVE	189.157-010					2			2
MANAGER, DEPARTMENT	189.167-022					6	3		9
BUSINESS MANAGER	191.117-018					3	1		4
SALES REPRESENTATIVE, SIGNS AND DISPLA	254.257-010					1			1
MANAGER, DEPARTMENT	299.137-010						3		3
CLUSTER TOTAL		0	16	160	0	30	25	0	231

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MONTANA D E M A N D REPORT

MK2-MARKETING MANAGEMENT

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11313002	FINANCIAL MANAGERS	48	59	1	2	3	
11313011	MARKETING, ADV., PUB.REL. MGR	48	54	1	2	3	
22021199	FINANCIAL SPECIALISTS(NO DETA	7	9				
22021302	ALL WHOLESALE AND RETAIL BUYE	697	846	19	32	51	
22325315	FINANCIAL ANALYSTS, STATISTIC	75	85	1	2	3	
22427102	ECONOMISTS, MARKET ANALYSTS	100	120	3	2	5	
33141002	FIRST LINE SUPERVISORS: SALES	5,535	6,799	158	222	380	
33343014	SALES AGENTS: FINANCIAL SERVI	241	293	7	11	18	
33343017	SALES AGENTS: BUSINESS SERVIC	106	120	2	4	6	
33343023	SALES AGENTS: ADVERTISING	82	87	1	4	5	
33949002	SALES ENGINEERS	3	4				
33949008	OTHER SALES REPRESENTATIVES	540	655	14	19	33	
33949999	SALES & RELATED OCC. (NO DETA	7,521	9,474	244	446	690	
CLUSTER TOTAL		15,003	18,605	451	746	1,197	231

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3--RETAIL MARKETING & MFG.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
FASHION MERCHANDISING	08.0102		4						4
AUCTIONEERING	08.0701								
RETAILING	08.0705	152	1						153
MANAGER, SALES	163.167-018					2	1		3
MANAGER, BRANCH	183.117-010					1			1
GENERAL SUPERVISOR	183.167-018						1		1
SUPERVISOR OF SALES	185.157-014								
COMMISSARY MANAGER	185.167-010								
MANAGER, MERCHANDISE	185.167-034								
MANAGER, LEASING	186.117-046					1	1		2
PROPERTY-UTILIZATION OFFICER	188.117-122					1			1
MANAGER, INDUSTRIAL ORGANIZATION	189.117-022					2			2
PAWNBROKER	191.157-010					1			1
STOCK-CONTROL CLERK	219.367-034					1	1		2
SALES CORRESPONDENT	221.367-062						1		1
PARTS CLERK	222.367-042					1	8		9
INVENTORY CLERK	222.387-026						1		1
MATERIAL CLERK	222.387-034						2		2
SHIPPING AND RECEIVING CLERK	222.387-050					1	14		15
SORTER-PRICER	222.387-054						1		1
STOCK CLERK	222.387-058					2			2
STOCK CLERK, WAREHOUSEMAN	222.387-058							16	16
STOCK CLERK	222.387-058						11		11
ORDER FILLER	222.487-014						1		1

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3-RETAIL MARKETING & MFG.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
SHIPPING CHECKER	222.687-030							1	1
ORDER CLERK	249.367-054							2	2
PARTS-ORDER-AND-STOCK CLERK	249.367-058							1	1
PROCUREMENT CLERK	249.367-066					2			2
SALES AGENT, SECURITIES	251.157-010					1			1
SALES AGENT, BUSINESS SERVICES	251.357-010					1			1
SALES REPRESENTATIVE, RADIO AND TELEVI	259.357-018					1		1	2
SALES REPRESENTATIVE, FOOD PRODUCTS	260.357-014							1	1
SALESPERSON, FLOWERS	260.357-026							4	4
SALESPERSON, MEN'S AND BOYS' CLOTHING	261.357-050					1		1	2
SALESPERSON, SHOES	261.357-062					1			1
SALESPERSON, WOMEN'S APPAREL AND ACCES	261.357-066					1		1	2
SALESPERSON, COSMETICS AND TOILETRIES	262.357-018					1			1
SALES REPRESENTATIVE, HOME FURNISHINGS	270.357-010							1	1
SALESPERSON, FURNITURE	270.357-030					1		3	4
SALESPERSON, HOUSEHOLD APPLIANCES	270.357-034							2	2
SALES REPRESENTATIVE, AIRCRAFT	273.253-010					1			1
SALESPERSON, AUTOMOBILES	273.353-010					3			3
SALES REPRESENTATIVE, MOTOR VEHICLES A	273.357-022					2		1	3
SALESPERSON, AUTOMOBILE ACCESSORIES	273.357-030					1		2	3
SALES REPRESENTATIVE, BUILDING EQUIPME	274.357-018					1		1	2
SALES REPRESENTATIVE, MATERIAL-HANDLIN	274.357-050					1			1
SALES REPRESENTATIVE, OILFIELD SUPPLIE	274.357-058							1	1
SALES REPRESENTATIVE, COMPUTERS AND ED	275.257-010							2	2

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3-RETAIL MARKETING & MFG.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
SALES REPRESENTATIVE, HOTEL AND RESTAU	275.357-026						1	1	1
SALES REPRESENTATIVE, OFFICE MACHINES	275.357-034						3	3	3
SALES REPRESENTATIVE, HOBBIES AND CRAF	277.357-010						2	2	2
SALESPERSON, PETS AND PET SUPPLIES	277.357-042						2	2	2
SALESPERSON, PHOTOGRAPHIC SUPPLIES AND	277.357-050						1	1	1
SALESPERSON, STAMPS OR COINS	277.357-062					1			1
SALES EXHIBITOR	279.357-010						2	2	2
SALES REPRESENTATIVE, GENERAL MERCHAND	279.357-014					1	5	6	6
SALESPERSON, GENERAL HARDWARE	279.357-050						1	1	1
SALESPERSON, GENERAL MERCHANDISE	279.357-054					3	29	32	32
SALESPERSON, JEWELRY	279.357-058						2	2	2
SALESPERSON, PARTS	279.357-062					2	11	13	13
COUPON-REDEMPTION CLERK	290.477-010					1	8	9	9
SALES CLERK	290.477-014					2	95	97	97
SALES CLERK, FOOD	290.477-018						7	7	7
PEODLER	291.457-018						1	1	1
DRIVER, SALES ROUTE	292.353-010					3	12	15	15
TELEPHONE SOLICITOR	299.357-014						2	2	2
STOCK CLERK, SELF-SERVICE STORE	299.367-014					2	5	7	7
WATCH-AND-CLOCK-REPAIR CLERK	299.367-018					1		1	1
SALES ATTENDANT	299.677-010					1		1	1
SUPPLY CLERK	339.687-010					1		1	1
ELECTRONIC-SALES-AND-SERVICE TECHNICIA	828.251-010								
SUPERVISOR, WATER SOFTENER SERVICE	862.134-014						3	3	3

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

MK3-RETAIL MARKETING & MFG.

-----S U P P L Y S O U R C E S-----

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
PACKAGER, HAND	920.587-018						4		4
PACKAGER, MACHINE	920.685-078						1		1
BAGGER	920.687-014					1	3		4
WAREHOUSE SUPERVISOR	929.137-022						1		1
CUTTER, BANANA ROOM	929.687-010						6		6
CLUSTER TOTAL		152	5	0	0	51	275	16	499

MK3-RETAIL MARKETING & MFG.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11313008	PURCHASING MANAGERS	28	36	1	1	2	
11515014	INDUSTRIAL PRODUCTION MANAGER	59	66	1	2	3	
22021308	PURCHASING AGENTS	494	573	10	17	27	
22834044	MERCHANDISE DISPLAYERS	39	47	1	2	3	
33343099	SERVICE SALES OCC. (NO DETAIL	20	22		1	1	
33949005	SALES REPS.: SCIENTIFIC PRODU	91	109	2	3	5	
33949011	SALES PERSONS: RETAIL	7,518	9,051	192	337	529	
33949021	STOCK CLERKS: SALES FLOOR	1,955	2,248	37	34	71	
33949026	VENDORS, SOLICITORS, DOOR-TO-DO	27	31	1	1	2	
33949032	DEMONSTRATORS, PROMOTERS, MOD	3	4				
44555323	ORDER CLERKS: MATERIALS, SERV	469	566	12	20	32	
44555326	PROCUREMENT CLERKS	73	84	1	2	3	
44858008	PRODUCTION, EXPEDITING CLERKS	168	189	3	6	9	
44858017	WEIGHERS, MEASURERS, CHECKERS	170	194	3	6	9	
44858021	MARKING CLERKS	69	83	2	3	5	
44858023	STOCK CLERKS	2,114	2,566	57	65	122	
44858026	SALES ORDER FILLERS	500	590	11	9	20	
44858028	TRAFFIC, SHIPPING CLERKS	1,196	1,446	31	40	71	
77081008	FIRST LINE SUPERV.: PRODUCTION	739	890	19	26	45	
77183005	PRODUCTION INSPECTORS, GRADER	270	339	9	9	18	
77183099	INSPECTORS, TESTERS (NO DETAI	80	83		3	3	
77897117	DRIVER SALES WORKERS						
77998902	HAND PACKERS AND PACKAGERS	505	607	13	17	30	
CLUSTER TOTAL		16,587	19,824	406	604	1,010	499

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK4-RECREATION & TOURISM

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
LEISURE & RECREATION (OUTFITTING)	36.0199								175
ATHLETIC TRAINER	153.224-010						1		1
UMPIRE	153.267-018						4		4
MANAGER, LEASING	186.117-046								
MANAGER, HOTEL OR MOTEL	187.117-038					2	2		4
RECREATION SUPERVISOR	187.137-010						3		3
DIVISION MANAGER, CHAMBER OF COMMERCE	187.167-042								
COMMUNITY-RELATIONS-AND-SERVICES ADVIS	195.167-014						1		1
PROGRAM AIDE, GROUP WORK	195.227-010					1	8		9
RECREATION LEADER	195.227-014						4		4
TOURIST-INFORMATION ASSISTANT	237.367-050						1		1
HOTEL CLERK	238.362-010						10		10
GATE AGENT	238.367-010						2		2
TICKET AGENT	238.367-026						3		3
TRAVEL AGENT	252.157-010						2		2
SALES REPRESENTATIVE, HOTEL AND RESTAU	275.357-026								
MANAGER, LODGING FACILITIES	320.137-014					2	3		5
RECREATION-FACILITY ATTENDANT	341.367-010						6		6
GAMBLING DEALER	343.467-018					2			2
USHER	344.677-014						1		1
GUIDE, HUNTING AND FISHING	353.161-010								
LIFEGUARD	379.667-014						1		1
FIREWORKS ASSEMBLER	737.587-014								
SWIMMING-POOL SERVICER	891.684-018						1		1

-----SUPPLY SOURCES-----|

MK4-RECREATION & TOURISM

TITLE	CODE	PUBLIC		VO-ED		HIGHER	PROP.		VOC		CETA	JOB	SUPPLY
		SEC	ED	VO-TECH	ED.	SCHOOLS	REHAB	TOTALS	REHAB	SCHOOLS	TOTALS	CORPS	
MOBILE-HOME-LOT UTILITY WORKER	899.484-010							5					5
AIRPORT ATTENDANT	912.364-010												
CLUSTER TOTAL		0	0	0	0	175	7	58	0				240

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MK4-RECREATION & TOURISM

MONTANA D E M A N D R E P O R T

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11515026	FOOD SERVICE & LODGING MANAGE						
22427311	RECREATION WORKERS	388	478	11	12	23	
22631321	INSTRUCTORS AND COACHES: SPOR						
22834058	ATHLETE, COACH, UMPIRE & RELA						
33343021	TRAVEL AGENTS	171	221	6	8	14	
44353802	TRAVEL CLERKS	100	117	2	4	6	
44353805	RESERVATION TICKET AGENTS	364	336	-3	9	6	
44353808	HOTEL DESK CLERKS						
55868014	AMUSEMENT & RECREATION ATTEND	548	672	16	23	39	
55868017	GUIDES	48	61	2	3	5	
55868021	USHERS AND TICKET TAKERS	292	344	7	7	14	
55868023	BAGGAGE PORTERS AND BELLHOPS	81	88	1	3	4	
CLUSTER TOTAL		1,992	2,317	42	69	111	240

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

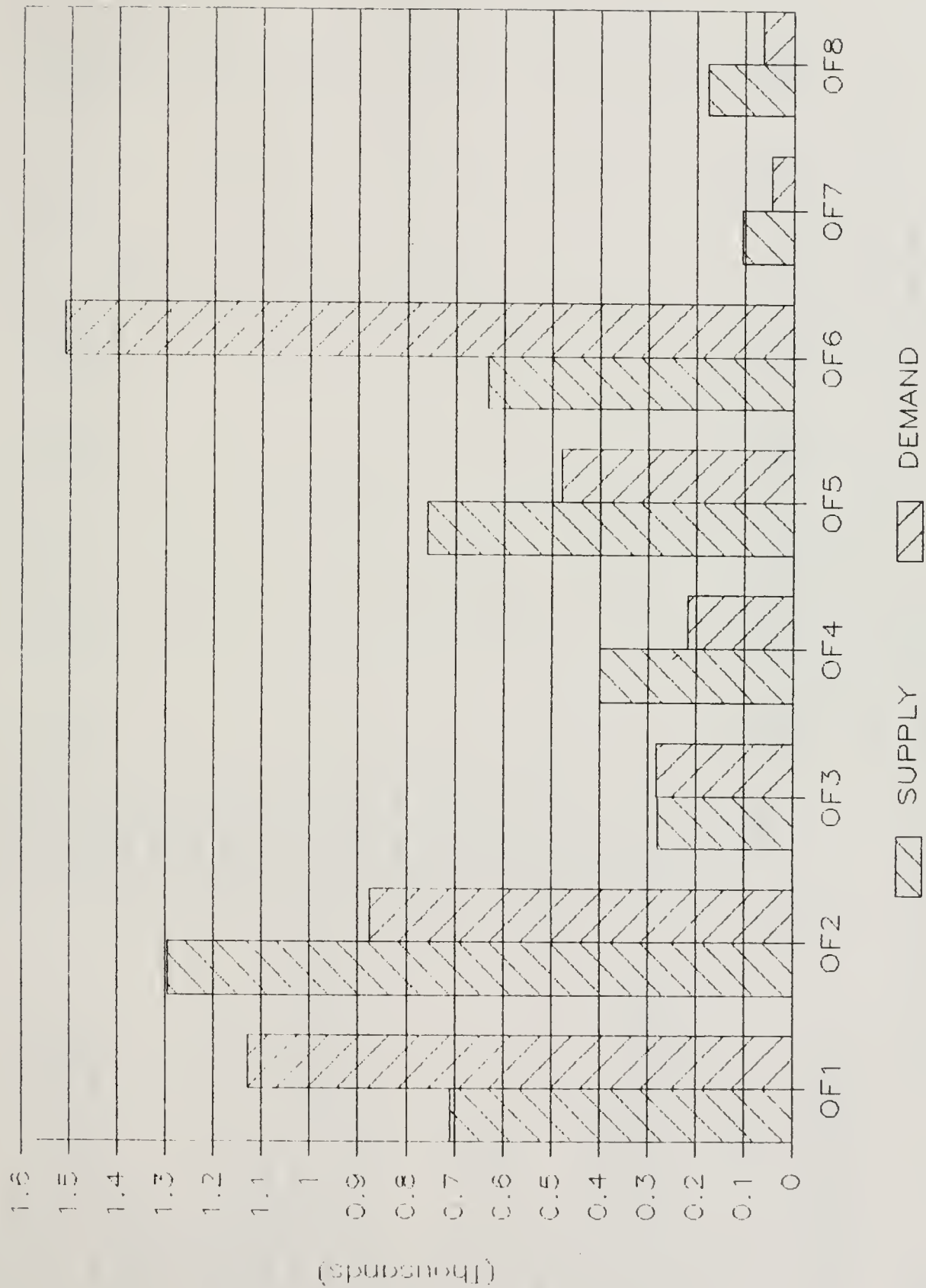
MK5- INSURANCE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
INSURANCE & RISK MANAGEMENT	06.0801			1					1
INSURANCE CLERK 2	205.567-010					1			1
INSURANCE CLERK	214.362-022						3		3
POLICY-CHANGE CLERK	219.362-042						1		1
UNDERWRITING CLERK	219.367-038						1		1
CLAIM ADJUSTER	241.217-010					1			1
CLAIM EXAMINER	241.267-018					1			1
SALES AGENT, INSURANCE	250.257-010					2	2		4
CLUSTER TOTAL		0	0	1	0	5	7	0	13

MK5-INSURANCE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22021102	UNDERWRITERS	147	163	2	6	8	
22021505	SPECIAL AGENTS, INSURANCE	79	89	1	3	4	
22021921	CLAIMS EXAMINERS: INSURANCE	27	31	1	1	2	
22325313	ACTUARIES	1	1				
33343002	SALES AGENTS: INSURANCE	532	622	11	19	30	
44353302	INSURANCE ADJUSTERS/INVESTIGA	304	386	10	10	20	
44353308	INSURANCE EXAMINING CLERKS	34	42	1	1	2	
44353311	INSURANCE CLAIMS CLERKS	191	227	5	7	12	
44353314	INSURANCE POLICY PROCESS. CLE	43	50	1	2	3	
CLUSTER TOTAL		1,358	1,611	32	49	81	13

OFFICE



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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF1-BOOKKEEPING & ACCOUNTING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ACCOUNTING	06.0201			186					186
TAXATION (INCOME TAX PREPARATION)	06.1901				110				110
ACCOUNTING, BOOKKEEPING & RELATED	07.0101		77						77
ACCOUNTING/BOOKKEEPING	07.0101			15					15
ACCOUNTANT, TAX	160.162-010					2	1		3
ACCOUNTANT	160.167-010					21	9		30
ACCOUNTANT, BUDGET	160.167-014					1			1
ACCOUNTANT, SYSTEMS	160.167-026					2	1		3
AUDITOR, TAX	160.167-03B					1			1
ESTIMATOR	160.267-018						1		1
TREASURER	161.117-018								
BUSINESS MANAGER, COLLEGE OR UNIVERSIT	186.117-010								
TREASURER, FINANCIAL INSTITUTION	186.117-070						1		1
ELIGIBILITY WORKER	195.267-010						2		2
CHECKER 2	209.687-010					1	2		3
AUDIT CLERK	210.382-010					1	2		3
BOOKKEEPER 1	210.382-014					16	75		91
BOOKKEEPER 2	210.382-018					11	24		35
BOOKKEEPING-MACHINE OPERATOR 1	210.382-022					1			1
BOOKKEEPING-MACHINE OPERATOR 2	210.382-026					1	3		4
NIGHT AUDITOR	210.382-054						1		1
CASHIER 1	211.362-010						12		12
TELLER	211.362-018						4		4
CASHIER 2	211.462-010						49		49

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF1-BOOKKEEPING & ACCOUNTING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CASHIER-CHECKER	211.462-014					1	55		56
TELLER	211.462-034					1			1
PAYROLL CLERK	215.482-010						1		1
ACCOUNTING CLERK, DATA PROCESSING	216.382-010						1		1
STATISTICAL CLERK	216.382-062						1		1
ACCOUNTING CLERK	216.482-010					7	6		13
POSTING CLERK	216.587-014						1		1
PROOF-MACHINE OPERATOR	217.382-010						2		2
CHECKER 1	222.687-010						1		1
CLUSTER TOTAL		0	77	201	110	67	255	0	710

OF1-BOOKKEEPING & ACCOUNTING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22021111	TAX PREPARERS	93	126	4	4	8	
22021114	ACCOUNTANTS AND AUDITORS	2,236	2,728	62	83	145	
22021117	BUDGET ANALYSTS	66	78	2	2	4	
22021914	TAX EXAMINERS AND COLLECTORS	163	179	2	6	8	
33949023	CASHIERS	4,804	5,932	141	187	328	
44353102	TELLERS	1,490	1,812	40	51	91	
44353108	TRANSIT CLERKS	21	25	1	1	2	
44353126	STATEMENT CLERKS	176	214	5	7	12	
44353502	WELFARE ELIGIBILITY WORKERS	324	342	2	13	15	
44353508	BILL AND ACCOUNT COLLECTORS	179	211	4	7	11	
44555328	STATISTICAL CLERKS	515	631	15	21	36	
44555338	BOOKKEEPING & ACCOUNTING CLER	5,660	6,818	145	231	376	
44555344	BILLING, COST AND RATE CLERKS	618	744	16	23	39	
44656002	CALCULATING MACHINE OPERATORS	724	936	27	28	55	
CLUSTER TOTAL		17,069	20,776	466	664	1,130	710

OF2-CLERICAL OFFICE PRACTICE

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
TYPING, GENERAL OFFICE	07.0701			6					6
TYPING, GENERAL OFFICE, & RELATED PROG	07.0701	667							667
CLERK-TYPIST	07.0702		79	12					91
GENERAL OFFICE CLERK	07.0705		4						4
ADMINISTRATIVE ASSISTANT	169.167-010					7	10		17
CLERK-TYPIST	203.362-010					8	80		88
IN-FILE OPERATOR	203.362-014						1		1
TRANSCRIBING-MACHINE OPERATOR	203.582-058					1			1
TYPIST	203.582-066						2		2
FILE CLERK 1	206.362-010					4	5		9
FILE CLERK 2	206.367-014					1	1		2
CLERK, GENERAL	209.562-010					10	164		174
METER READER	209.567-010						2		2
TRAFFIC CLERK	214.587-014						1		1
ADMINISTRATIVE CLERK	219.362-010					9	204		213
ATTENDANCE CLERK	219.362-014						3		3
MATERIAL EXPEDITER	221.367-042						5		5
LABORATORY CLERK	222.587-026						1		1
OFFICE HELPER	239.567-010						2		2
COLLECTION CLERK	241.357-010						2		2
LOAN INTERVIEWER	241.367-018					1	1		2
TOOL-AND-EQUIPMENT-RENTAL CLERK	295.357-014						2		2
CLUSTER TOTAL		667	83	18	0	41	486	0	1295

OF2-CLERICAL OFFICE PRACTICE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22021902	COST ESTIMATORS	269	363	12	11	23	
33949017	COUNTER AND RENTAL CLERKS	134	150	2	5	7	
44353121	LOAN AND CREDIT CLERKS	346	445	12	14	26	
44353123	ADJUSTMENT CLERKS	112	129	2	4	6	
44353128	BROKERAGE CLERKS	40	44	1	2	3	
44353702	COURT CLERKS	230	289	7	9	16	
44353708	LICENSE CLERKS	121	142	3	4	7	
44555308	TYPISTS	2,772	3,177	51	110	161	
44555317	CORRESPONDENCE CLERKS	11	16	1		1	
44555321	FILE CLERKS	563	662	12	23	35	
44555341	PAYROLL AND TIMEKEEPING CLERK	520	627	13	21	34	
44555347	GENERAL OFFICE CLERKS	6,309	7,364	132	244	376	
44656008	MAIL MACHINE OPERATORS	54	65	1	2	3	
44656099	OFFICE MACH. OPERATOR(NO DETA	740	832	12	26	38	
44757302	MAIL CLERKS, EXC. MAIL MACHIN	102	118	2	4	6	
44757311	MESSENGERS	65	78	2	5	7	
44959999	CLERICAL & SUPPORT (NO DETA	1,411	1,552	18	55	73	
55565017	COUNTER ATTENDANTS	932	1,109	22	32	54	
CLUSTER TOTAL		14,731	17,162	305	571	876	1795

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF3-COMMUNICATIONS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
RECEPTIONIST & COMM.SYSTEMS OPERATION	07.0707		8						8
RADIO/TV NEWS BROADCAST	09.0601			10					10
BROADCASTING	09.0601	15							15
RADIO/TELEVISION, GENERAL	09.0701				49				49
BROADCAST COMMUNICATIONS	09.9999			7					7
RADIO & TV PRODUCTION & BROADCASTING	10.0104			42					42
SPEECH, DEBATE, AND FORENSICS	23.1001			41					41
RESEARCH WORKER, ENCYCLOPEDIA	109.267-014					1			1
ANNOUNCER	159.147-010					7	6		13
DISK JOCKEY	159.147-014					2	1		3
DISPATCHER	193.262-014						1		1
BRAILLE OPERATOR	203.582-010						1		1
REHABILITATION CLERK	205.367-046						1		1
MAIL CLERK	209.587-026						1		1
RATE ANALYST, FREIGHT	214.267-010					1			1
MAIL CARRIER	230.367-010					1			1
CENTRAL-OFFICE OPERATOR	235.462-010					1	6		7
ROUTE CLERK	235.562-010					1			1
TELEPHONE OPERATOR	235.662-022					1	1		2
TELEPHONE-ANSWERING-SERVICE OPERATOR	235.662-026						1		1
APPOINTMENT CLERK	237.367-010					1	4		5
INFORMATION CLERK	237.367-022					1			1
RECEPTIONIST	237.367-038					5	48		53
DISPATCHER, MAINTENANCE SERVICE	239.367-014						2		2

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF3-COMMUNICATIONS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
COLLECTOR	241.367-010						2		2
POST-OFFICE CLERK	243.367-014					1	2		3
COUNTER CLERK	249.362-010						1		1
TEST TECHNICIAN	249.367-078						1		1
BROADCAST CHECKER	249.387-010					1			1
COMMUNICATIONS CONSULTANT	253.157-010					1			1
SWITCHBOARD OPERATOR	952.362-038						3		3
PROGRAM ASSISTANT	962.167-014						1		1
CLUSTER TOTAL		15	8	100	49	25	83	0	280

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MONTANA D E M A N D R E P O R T

OF3-COMMUNICATIONS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22834011	REPORTERS AND CORRESPONDENTS						
22834017	ANNOUNCERS: RADIO, TELEVISION	319	341	3	4	7	
44353105	NEW ACCOUNTS CLERKS	263	307	6	9	15	
44353117	CREDIT CHECKERS	70	77	1	3	4	
44353705	MUNICIPAL CLERKS	147	185	5	7	12	
44555305	RECEPTIONISTS, INFORMATION CLE	1,227	1,483	32	52	84	
44555332	INTERVIEWING CLERKS	107	142	4	4	8	
44555335	UTILITIES CUSTOMER SERVICE RE	318	297	-2	10	8	
44757102	SWITCHBOARD OPERATORS	836	1,023	23	37	60	
44757105	DIRECTORY ASSISTANCE OPERATOR	50	42		2	2	
44757108	CENTRAL OFFICE OPERATORS	448	352	-11	16	5	
44757305	POSTAL MAIL CARRIERS	1,364	1,351	-1	30	29	
44757308	POSTAL SERVICE CLERKS	367	363		10	10	
44858005	DISPATCHERS, EXC.POLICE, FIRE	393	483	11	14	25	
44858011	TRANSPORTATION AGENTS	65	74	1	2	3	
44858014	METER READERS: UTILITIES	234	267	4	5	9	
CLUSTER TOTAL		6,208	6,787	76	205	281	280

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF4-PERSONNEL, LABOR REL., LAW

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
HUMAN RESOURCES DEVELOPMENT	06.0601			7					7
LEGAL SECRETARIAL	07.0604			4					4
LEGAL SECRETARY	07.0604		10						10
LEGAL ASSISTING	22.0103			6					6
COUNSELOR, NURSES' ASSOCIATION	045.107-014						1		1
CERTIFICATION AND SELECTION SPECIALIST	099.167-010					1			1
LAWYER	110.107-010					7	6		13
LAWYER, CORPORATION	110.117-022						2		2
LEGAL INVESTIGATOR	119.267-022					1	1		2
PARALEGAL ASSISTANT	119.267-026					2	2		4
LOBBYIST	165.017-010					1			1
MANAGER, PERSONNEL	166.117-018					1			1
MANAGER, BENEFITS	166.167-018					1			1
TRAINING REPRESENTATIVE	166.227-010					1	1		2
EMPLOYMENT INTERVIEWER	166.267-010						4		4
INVESTIGATOR	168.267-062						1		1
BUSINESS REPRESENTATIVE, LABOR UNION	187.167-018					1	1		2
DIRECTOR, EMPLOYMENT SERVICES	188.117-078						1		1
LEGAL SECRETARY	201.362-010					3	17		20
CLUSTER TOTAL		0	10	17	0	19	37	0	83

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MONTANA D E M A N D R E P O R T

OF4-PERSONNEL, LABOR REL., LAW

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11313005	PERSONNEL, TRAINING, LABOR REL.	31	37	1	1	2	
22021508	EMPLOYMENT INTERVIEWERS	342	367	3	9	12	
22021511	PERSONNEL, LABOR REL. SPECIAL	433	492	7	14	21	
22021911	COMPLIANCE OFFICERS & INSPECT	502	549	6	18	24	
22528102	JUDGES AND MAGISTRATES	231	286	7	27	34	
22528108	LAWYERS	936	1,161	28	52	80	
22528302	LAW CLERKS	186	226	5	10	15	
22528305	PARALEGAL PERSONNEL	158	199	5	9	14	
22528399	LEGAL OCCUPATIONS (NO DETAIL)	2	2				
44555314	PERSONNEL CLERKS, EXCEPT PAYR	289	328	5	12	17	
	CLUSTER TOTAL	3,110	3,647	67	152	219	83

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF5-SECRETARIAL OFFICE PRACTIC

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
SECRETARIAL & RELATED PROGRAMS, GENERAL	07.0601	501		18					519
SECRETARIAL	07.0606		21	12					33
STENOGRAPHIC	07.0607		2	3					5
SECRETARIAL & RELATED PROGRAMS, OTHER	07.0699			8					8
SECRETARIAL & RELATED PROGRAMS	07.0699		1						1
SECRETARY, BOARD-OF-EDUCATION	169.267-022						1		1
SECRETARY	201.362-030					22	114		136
STENOGRAPHER	202.362-014					2			2
CLERK-TYPIST	203.362-010							54	54
CLUSTER TOTAL		501	24	41	0	24	115	54	759

OF5-SECRETARIAL OFFICE PRACTIC

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44555199	SECRETARIES (NO DETAIL)	5,724	7,241	190	254	444	
44555302	STENOGRAPHERS	579	651	9	25	34	
CLUSTER TOTAL		6,303	7,892	199	279	478	759

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF6-OFFICE MANAGEMENT

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BUSINESS AND MANAGEMENT, GENERAL	06.0101			217					217
BUSINESS ADMINISTRATION & MANAGEMENT, G	06.0401			321					321
BUSINESS ADMINISTRATION & MANAGEMENT, O	06.0499			4					4
EDUCATION ADMINISTRATION, GENERAL	13.0401			30					30
MANAGER, OFFICE	169.167-034					5		5	10
PROGRAM DIRECTOR, GROUP WORK	187.117-046					1			1
FOREIGN-SERVICE OFFICER	188.117-106					1			1
CONSULTANT	189.167-010					2		1	3
MANAGEMENT TRAINEE	189.167-018					7		35	42
RADIO STATION OPERATOR	193.262-026							1	1
MAILROOM SUPERVISOR	222.137-022					1			1
STOCK SUPERVISOR	222.137-034							1	1
MANAGER, TRAFFIC 2	237.367-030							1	1
SUPERVISOR, TELEPHONE CLERKS	239.132-010							1	1
CLUSTER TOTAL		0	0	572	0	17	45	0	634

OF6-OFFICE MANAGEMENT

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11313014	ADMINISTRATIVE SERVICES MANAG	34	43	1	1	2	
11515002	POSTMASTERS, MAIL SUPERINTEND	351	348		19	19	
11515005	EDUCATION ADMINISTRATORS	1,963	2,284	40	67	107	
11919002	PUBLIC ADMINISTRATION EXECUTI	951	1,151	25	33	58	
11919999	MANAGERS & ADMIN. (NO DETAIL)	16,314	19,386	384	705	1,089	
22021105	CREDIT ANALYSTS	207	256	6	8	14	
22021999	ALL OTHER MANAGEMENT SUPPORT	15	18		1	1	
22427505	DIRECTORS:RELIGIOUS ACTIV./ED	2	2				
22939999	PROFESSIONAL/TECHN. (NO DETAI	2,483	2,780	37	67	104	
44151002	SUPERVISORS: ADMIN. SUPPORT O	1,407	1,643	30	43	73	
44353114	CREDIT AUTHORIZERS	14	17				
55161099	SERVICE SUPERVISORS (NO DETAI	618	753	17	26	43	
77081099	ALL OTHER FIRST LINE SUPERVIS	15	17		1	1	
CLUSTER TOTAL		24,374	28,698	540	971	1,511	634

|-----S U P P L Y S O U R C E S-----|

OF7-KEY ENTRY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BUSINESS DATA ENTRY OPERATION	07.0303		14						14
WORD PROCESSING	07.0608		3						3
TERMINAL-SYSTEM OPERATOR	203.362-018						1		1
DATA TYPIST	203.582-022					5	4		9
DATA-CODER OPERATOR	203.582-026					2	2		4
KEYPUNCH OPERATOR	203.582-030					4	16		20
MAGNETIC-TAPE-TYPEWRITER OPERATOR	203.582-034						1		1
TERMINAL OPERATOR	203.582-054					5	1		6
TRANSCRIBING-MACHINE OPERATOR	203.582-058						1		1
COMPUTER OPERATOR	213.362-010					18	24		42
COMPUTER-PERIPHERAL-EQUIPMENT OPERATOR	213.382-010					1	2		3
AUXILIARY-EQUIPMENT OPERATOR, DATA PRO	213.685-010						1		1
CLUSTER TOTAL		0	17	0	0	35	53	0	105

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MONTANA DEMAND REPORT

OF7-KEY ENTRY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44555311	TYPISTS, WORD PROCESSING EQUI	39	44	1	1	2	105
44656014	PERIPHERAL EDP EQUIP. OPERATO	191	210	2	5	7	
44656017	DATA ENTRY KEYERS, EXC.COMPOS	604	728	16	20	36	
44656021	DATA ENTRY KEYERS, COMPOSING	41	31		1	1	
CLUSTER TOTAL		875	1,013	19	27	46	105

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF8-COMPUTER SCIENCE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MANAGEMENT INFORMATION SYSTEMS	06.1201			16					16
BUSINESS DATA PROCESSING	07.0301		45						45
BUSINESS COMPUTER & CONSOLE OPERATOR	07.0302		8						8
BUSINESS DATA PROGRAMMING	07.0305		22						22
COMPUTER AND INFORMATION SCIENCES, GEN	11.0101			71					71
SYSTEMS ENGINEER, ELECTRONIC DATA PROC	003.167-062							1	1
TOOL PROGRAMER, NUMERICAL CONTROL	007.167-018					2			2
COMPUTER-APPLICATIONS ENGINEER	020.062-010					4		1	5
PROGRAMER, BUSINESS	020.162-014					1			1
PROGRAMER, INFORMATION SYSTEM	020.187-010					1			1
MANAGER, ELECTRONIC DATA PROCESSING	169.167-030					1			1
CONTROL CLERK, DATA PROCESSING 1	221.382-014					6			6
SALES REPRESENTATIVE, COMPUTERS AND ED	275.257-010								
CLUSTER TOTAL		0	75	87	0	14	2	0	178

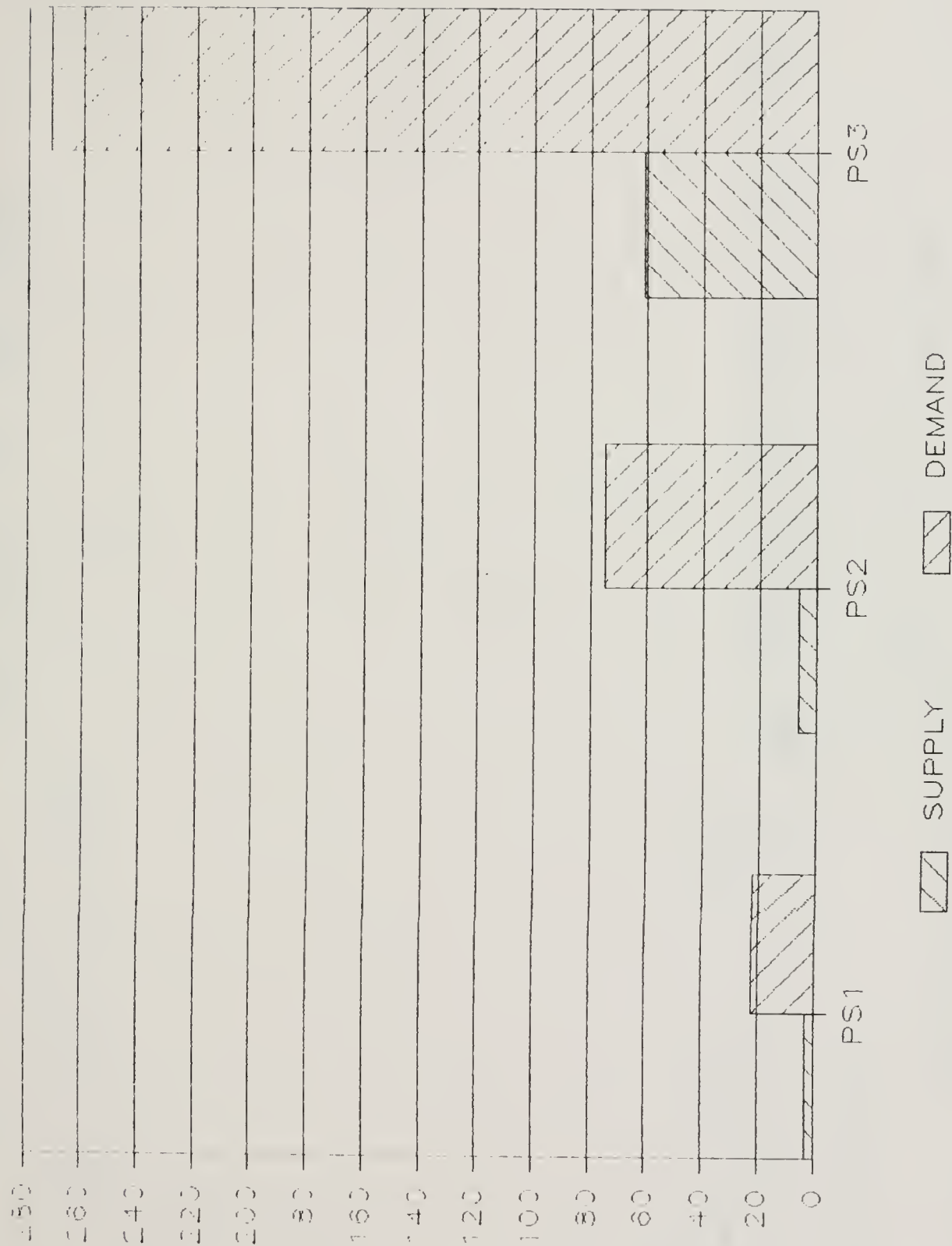
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MONTANA D E M A N D R E P O R T

OF8-COMPUTER SCIENCE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22325102	SYSTEMS ANALYSTS:DATA PROCESS	386	428	5	4	9	
22325105	COMPUTER PROGRAMMERS	345	435	11	4	15	
22325108	COMPUTER PROGRAMMER AIDES	8	10				
22325302	OPERATIONS AND SYSTEMS ANALYS	1	1				
44656011	COMPUTER OPERATORS, EXC. PERI	548	785	30	9	39	
CLUSTER TOTAL		1,288	1,659	46	17	63	178

PUBLIC SERVICE



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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

PS1-EMERGENCY MEDICAL TECH.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
EMERGENCY MEDICAL TECHNICIAN	079.374-010					1	2		3
CLUSTER TOTAL		0	0	0	0	1	2	0	3

PST-EMERGENCY MEDICAL TECH.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22732508	EMERGENCY MEDICAL TECHNICIANS	114	132	2	4	6	
55666023	AMBULANCE DRIVER, ATTENDANTS	223	262	5	11	16	
CLUSTER TOTAL		337	394	7	15	22	3

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

PS2-FIRE & FIRE SAFETY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
FIRE CONTROL & SAFETY TECHNOLOGIES	43.0201			3					3
FIRE FIGHTER	373.364-010						2		2
FIRE FIGHTER, CRASH, FIRE, AND RESCUE	373.663-010						1		1
CLUSTER TOTAL		0	0	3	0	0	3	0	6

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PS2-FIRE & FIRE SAFETY

MONTANA D E M A N D REPORT

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44858002	DISPATCHER: POLICE, FIRE, AMBULA	602	732	16	20	36	
55161002	FIRE FIGHTING SUPERVISORS	152	190	5	3	8	
55363002	FIRE INSPECTORS	50	61	1	1	2	
55363008	FIRE FIGHTERS	610	760	19	10	29	
CLUSTER TOTAL		1,414	1,743	41	34	75	6

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

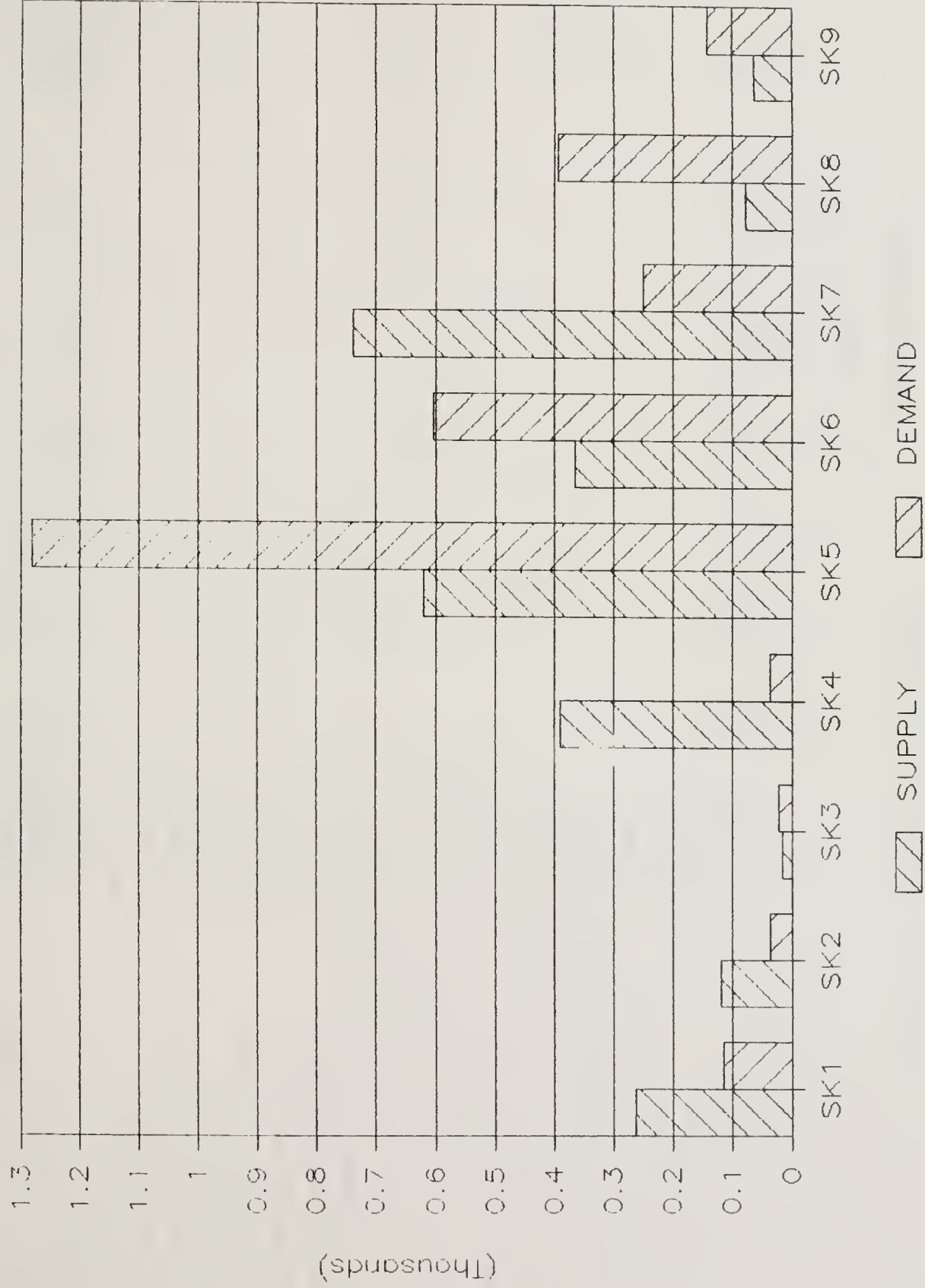
PS3-POLICE SCIENCE/CRIMINOLOGY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
LAW ENFORCEMENT	43.0107			8					8
CRIMINOLOGY	45.0401			13					13
CUSTOMS PATROL OFFICER	168.167-010					1			1
PARK RANGER	169.167-042						1		1
SECURITY OFFICER	189.167-034					2	1		3
PROBATION OFFICER	195.167-034					2	1		3
POLICE AIDE	243.362-014					1			1
DISPATCHER, SECURITY GUARD	372.167-010						1		1
GUARD, CHIEF	372.167-014						1		1
JAILER	372.367-014						1		1
GATE TENDER	372.667-030					1			1
GUARD, SECURITY	372.667-034					3	7		10
MERCHANT PATROLLER	372.667-038					1	1		2
POLICE OFFICER 1	375.263-014					1			1
POLICE OFFICER 2	375.367-010						2		2
PARKING ENFORCEMENT OFFICER	375.587-010						1		1
HOUSE OFFICER	376.367-018						1		1
ANIMAL TREATMENT INVESTIGATOR	379.263-010						1		1
DISPATCHER, RADIO	379.362-010					1	6		7
DOG CATCHER	379.673-010					1			1
DIVER	899.261-010					1			1
CLUSTER TOTAL		0	0	21	0	15	25	0	61

PS3-POLICE SCIENCE/CRIMINOLOGY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44858002	DISPATCHER: POLICE, FIRE, AMBULA						
55161005	POLICE AND DETECTIVE SUPERVIS	258	307	6	5	11	
55363011	POLICE DETECTIVES	160	191	4	3	7	
55363014	POLICE PATROL OFFICERS	1,293	1,580	36	24	60 ⁴	
55363017	CORRECTION OFFICERS AND JAIL	378	427	6	31	37	
55363021	PARKING ENFORCEMENT OFFICERS	61	77	2	1	3	
55363023	BAILIFFS	34	43	1	2	3	
55363026	U.S. MARSHALLS	14	15		1	1	
55363032	SHERIFFS AND DEPUTY SHERIFFS	195	245	6	10	16	
55363038	RAILROAD POLICE & SPECIAL AGE	21	17				
55363047	GUARDS AND WATCH GUARDS	1,405	1,868	58	76	134	
CLUSTER TOTAL		3,819	4,770	119	153	272	61

SKILLS



09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK1-ELECTRICAL

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ELECTRICAL TECHNOLOGY	05.0302		5						5
ELECTRONIC TECHNOLOGY	05.0303		42						42
LINEWORKER (PHONE INSTALLATION)	46.0303				110				110
ELECTRICAL & POWER TRANSMISSION INSTAL	46.0399			4					4
HEATING, AIR COND., & REFRIG. MECHANICS	47.0201		30						30
ELECTRICAL ENGINEER	003.061-010					6			6
ELECTRICAL RESEARCH ENGINEER	003.061-026					1			1
ELECTRICAL TECHNICIAN	003.161-010					2	1		3
ELECTRICAL ENGINEER, POWER SYSTEM	003.167-018					2			2
ENGINEER-IN-CHARGE, STUDIO OPERATIONS	003.167-030						2		2
SYSTEMS ENGINEER, ELECTRONIC DATA PROC	003.167-062					1	1		2
INSTRUMENTATION TECHNICIAN	003.261-010								
OFFICE-MACHINE SERVICER	633.281-018					1	3		4
PINSETTER MECHANIC, AUTOMATIC	638.261-022						1		1
ELECTRIC-MOTOR REPAIRER	721.281-018						1		1
ELECTRICAL-APPLIANCE REPAIRER	723.381-010					1			1
VACUUM CLEANER REPAIRER	723.381-014						2		2
APPLIANCE REPAIRER	723.584-010						3		3
CABLE MAKER	728.684-010						1		1
REPAIRER, SWITCHGEAR	729.684-038						1		1
ASSEMBLER, ELECTRICAL ACCESSORIES 1	729.687-010						1		1
STATION INSTALLER-AND-REPAIRER	822.261-022						1		1
TESTING-AND-REGULATING TECHNICIAN	822.261-026						1		1
PRIVATE-BRANCH-EXCHANGE REPAIRER	822.281-022					2			2

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK1-ELECTRICAL

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
LINE INSTALLER-REPAIRER	822.381-014						1		1
ANTENNA INSTALLER	823.684-010						1		1
ELECTRICIAN	824.261-010					4	11		15
ELECTRICIAN APPRENTICE	824.261-014						1	9	10
ELECTRICAL-APPLIANCE SERVICER	827.261-010						5		5
HOUSEHOLD-APPLIANCE INSTALLER	827.661-010						3		3
ELECTRICAL REPAIRER	829.281-014					1			1
ELECTRICIAN HELPER	829.684-022						1		1
CLUSTER TOTAL		0	77	4	110	21	42	9	263

SK1-ELECTRICAL

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122505	ELECTRICAL ENGINEERING TECHN.	862	1,026	21	11	32	
77285502	CENTRAL OFFICE & PBX INSTALLE	270	228	-4	3	-1	
77285505	FRAME WIRERS: CENTRAL OFFICE	495	433	-7	5	-2	
77285702	TELEPHONE, CABLE TV INSTALLE	871	866		10	10	
77285708	HOME ENTERTAINMENT EQ. REPAIR	133	158	3	5	8	
77285711	ELECTRIC HOME APPL. REPAIRERS	132	155	3	4	7	
77285714	ELECTRIC MOTOR REPAIRERS	32	37	1	1	2	
77285723	ELECTRICAL POWERLINE INSTALLE	52	57	1	1	2	
77285908	ELECTROMED./BIOMEDICAL REPAIR	19	24	1	1	2	
77285911	ELECTRIC METER INSTALLERS	7	7				
77285947	COIN & VENDING MACHINE SERVIC	109	135	3	3	6	
77387202	ELECTRICIANS	1,393	1,556	20	29	49	
77998313	HELPERS:ELECTRICIANS	44	41		1	1	
CLUSTER TOTAL		4,419	4,723	42	74	116	263

|-----S U P P L Y S O U R C E S-----|

SK2-ELECTRONICS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ELECTRICAL & ELECTRONICS EQUIP.	47.0101	47							47
ELECTRONICS ENGINEER	003.061-030						1	1	1
ELECTRONICS TECHNICIAN	003.161-014					10	10		20
DRAFTER, ELECTRONIC	003.281-014								
VIDEO OPERATOR	194.282-010					1			1
RECORDING ENGINEER	194.362-010					2			2
ELECTRONIC-PRODUCTION-LINE-MAINTENANCE	629.281-022						1	1	1
CASH-REGISTER SERVICER	633.281-010						2		2
OFFICE-MACHINE-SERVICER APPRENTICE	633.281-022					1			1
TELEVISION-AND-RADIO REPAIRER	720.281-018					3	4		7
ELECTRONICS ASSEMBLER, DEVELOPMENTAL	726.261-010					1	7		8
ELECTRONICS TESTER 1	726.281-014					1			1
ELECTRONICS ASSEMBLER	726.684-018						3		3
ELECTRONICS WORKER	726.687-010					1			1
CABLE MAKER	728.684-010								
STATION INSTALLER-AND-REPAIRER	822.261-022						2		2
PRIVATE-BRANCH-EXCHANGE REPAIRER	822.281-022						1		1
AVIONICS TECHNICIAN	823.281-010					1			1
METEOROLOGICAL-EQUIPMENT REPAIRER	823.281-018					2	1		3
TELEVISION INSTALLER	823.361-010						1		1
ANTENNA INSTALLER	823.684-010						1		1
ELECTRONIC-SALES-AND-SERVICE TECHNICIA	828.251-010						2		2
FIELD ENGINEER	828.261-014					1			1
ELECTRONICS MECHANIC	828.281-010					6	3		9

-----S U P P L Y S O U R C E S-----|

SK2-ELECTRONICS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ELECTRONICS-MECHANIC APPRENTICE	828.281-014						3		3
SOUND TECHNICIAN	829.281-022					1			1
CLUSTER TOTAL		47	0	0	0	31	42	0	120

09/26/84

MONTANA D E M A N D R E P O R T

SK2-ELECTRONICS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122126	ELECTRICAL/ELECTRONIC ENGINEER	452	489	5	7	12	
22834028	BROADCAST TECHNICIANS	130	140	1	2	3	
22939008	RADIO OPERATORS	4	5				
44757111	TELEGRAPH AND TELETYPE OPERAT	110	88	-2	4	2	
77285511	SIGNAL OR SWITCH MAINTAINERS	56	45		2	2	
77285514	RADIO MECHANICS	21	23				
77285705	DATA PROCESSING EQUIP. REPAIR	36	46	1		1	
77285717	INDUSTRIAL ELECTRONICS REPAIR	80	88	1	3	4	
77285726	TELEPHONE STATION INSTALLERS	31	34				
77285926	OFFICE MACHINE SERVICER	186	240	7	3	10	
77693114	ELECTRICAL, ELECTRONIC ASSEMB	53	74	3	2	5	
77897317	RAILROAD BRAKE, SIGNAL, SWITC	709	564	-17	14	-3	
CLUSTER TOTAL		1,868	1,836	-1	37	36	120

|-----S U P P L Y S O U R C E S-----|

SK3-AIR CONDITIONING & REFRIG

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP, SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
HEAT-TRANSFER TECHNICIAN	007.181-010								
AIR-CONDITIONING MECHANIC	620.281-010					1			1
ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER	637.261-014					4	3		7
REFRIGERATION MECHANIC	637.261-026					2	5		7
ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER	637.664-010								
AIR-CONDITIONING INSTALLER, DOMESTIC	827.464-010						1		1
CLUSTER TOTAL		0	0	0	0	7	9	0	16

09/26/84

MONTANA DEMAND REPORT

SK3-AIR CONDITIONING & REFRIG

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77285902	HEATING,A.C.,REFRIGERATION ME	176	262	11	5	16	
77285944	GAS APPLIANCE REPAIRERS	66	79	2	2	4	
77592928	COOLING, FREEZING EQUIP. OPER	23	22		1	1	
CLUSTER TOTAL		265	363	13	8	21	16

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK4-WELDING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
WELDING TECHNOLOGY	15.0610				55				55
WELDING TECHNOLOGIES	15.0610			6					6
WELDING, BRAZING, AND SOLDERING	48.0508	72	97						169
WELDER APPRENTICE, ARC	810.384-010					1			1
WELDER, ARC	810.384-014						2		2
WELDING-MACHINE OPERATOR, GAS	811.482-010						1		1
WELDER APPRENTICE, GAS	811.684-010					1			1
WELDER, GAS	811.684-014					2	1		3
SOLDERER-ASSEMBLER	813.684-014						1		1
THERMAL CUTTER, HAND 1	816.464-010					1			1
WELD INSPECTOR 1	819.281-018					1			1
WELDER-FITTER	819.361-010					1	2		3
WELDER-ASSEMBLER	819.381-010					1	2		3
WELDER APPRENTICE, COMBINATION	819.384-008					3	3		6
WELDER, COMBINATION	819.384-010					5	45	85	135
WELDER HELPER	819.687-014						1		1
DIVER	899.261-010								
CLUSTER TOTAL		72	97	6	55	16	58	85	389

SK4-WELDING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77591702	WELDING MACHINE SETTER/OPERAT	75	94	2	3	5	
77591705	WELDING MACHINE OPERATORS	38	49	1	1	2	
77693914	WELDERS AND CUTTERS	774	872	12	17	29	
CLUSTER TOTAL		887	1,015	15	21	36	389

|-----S U P P L Y S O U R C E S-----|

SK5-CARPENTRY & CONST. TRADE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CARPENTRY	46.0201	109	15	3					127
FURNITURE MAKING	48.0702			18					18
CONTRACTOR	182.167-010								
LABORER, GENERAL	509.686-010						31		31
LABORER, GENERAL	559.685-110						1		1
BENDER, MACHINE	569.685-014						1		1
LABORER, CONCRETE-MIXING PLANT	579.665-014				1				1
CABINETMAKER	660.280-010				2		2		4
CABINETMAKER APPRENTICE	660.280-014						1		1
MODEL MAKER, WOOD	661.380-010						1		1
MOLDER OPERATOR	665.682-018								
ASSEMBLER	754.684-010						1		1
CABINET ASSEMBLER	763.684-014					2	2		4
FURNITURE ASSEMBLER	763.684-038					1	15		16
REPAIRER, ASSEMBLED WOOD PRODUCTS	769.684-038						1		1
WOODWORKING-SHOP HAND	769.687-054					1	2		3
STRUCTURAL-STEEL WORKER	801.361-014						1		1
PAINTER, CONSTRUCTION	840.381-010							36	36
PAINTER, PAPER HANGER	840.381-010							6	6
PAINTER	840.381-010						13		13
DRY-WALL APPLICATOR	842.381-010						1		1
TAPER	842.664-010						2		2
CEMENT MASON	844.364-010						2		2
MASON, CEMENT APPRENTICE	844.364-014							5	5

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK5-CARPENTRY & CONST. TRADE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CARPENTER, MAINTENANCE	860.281-010						2		2
ACOUSTICAL CARPENTER	860.381-010						1		1
BOATBUILDER, WOOD	860.381-018						1		1
CARPENTER (CONST.)	860.381-022					2	27	16	45
CARPENTER, APPRENTICE CONSTRUCTION	860.381-026							38	38
CARPENTER, APPRENTICE	860.381-026							13	13
CARPENTER APPRENTICE	860.381-026						11		11
CARPENTER, ROUGH	860.381-042						1		1
SHIPWRIGHT HELPER	860.664-018					1			1
BRICKLAYER	861.381-018						2		2
BRICKLAYER APPRENTICE	861.381-022							18	18
STONEMASON APPRENTICE	861.381-042					1			1
TILE SETTER	861.381-054						1		1
PLUMBER SUPERVISOR	862.131-018					1			1
PIPE-FITTER APPRENTICE	862.381-026					1	1		2
PLUMBER	862.381-030					1	8		9
BUILDING-INSULATION SUPERVISOR	863.134-010						5		5
BLOWER INSULATOR	863.664-010						3		3
CARPET LAYER	864.381-010						4		4
GLAZIER	865.381-010						1		1
ROOFER	866.381-010						5		5
FENCE-ERECTOR SUPERVISOR	869.134-010						2		2
SIGN ERECTOR-AND-REPAIRER	869.361-018						2		2
CONCRETE-BUILDING ASSEMBLER	869.664-010						2		2

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

SK5-CARPENTRY & CONST. TRADE

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CONSTRUCTION WORKER 1	869.664-014					3	87		90
ASSEMBLER	869.684-010						2		2
ASSEMBLER, SKYLIGHTS	869.684-014						6		6
INSTALLER	869.684-026						1		1
AWNING-HANGER HELPER	869.687-010						1		1
CAMOUFLAGE ASSEMBLER	869.687-014						20		20
CONSTRUCTION WORKER 2	869.687-026					2	49		51
FURNACE-INSTALLER-AND-REPAIRER HELPER,	869.687-030						1		1
KILN DRAWER	929.687-014						2		2
CLUSTER TOTAL		109	15	3	18	19	325	132	621

SK5-CARPENTRY & CONST. TRADE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44858099	MATERIAL WORKERS (NO DETAIL)	74	68		2	2	
77081005	FIRST LINE SUPERV.:CONST,EXTR	8	9				
77081017	FIRST LINE SUPERV.:HELP,LABOR	25	31	1	1	2	
77285132	MAINTENANCE REPAIRERS, GENERA	2,423	2,916	62	242	304	
77285938	INSTALLERS: MANUFACTURED BLDG	55	79	3	6	9	
77387102	CARPENTERS	2,150	3,179	129	96	225	
77387105	CEILING TILE INSTALLERS	12	19	1	1	1	
77387108	DRYWALL INSTALLERS	12	19	1	1	1	
77387111	TAPERS	3	5				
77387114	LATHERS	6	10	1		1	
77387302	BRICK MASONS	170	257	11	5	16	
77387305	STONE MASONS	11	17	1		1	
77387308	HARD TILE SETTERS	4	6				
77387311	CONCRETE AND TERRAZZO FINISHE	248	385	17	7	24	
77387314	REINFORCING METAL WORKERS	390	430	5	10	15	
77387317	PLASTERERS AND STUCCO MASONS	10	16	1		1	
77387402	PAINTERS AND PAPERHANGERS	311	369	7	17	24	
77387502	PLUMBER, PIPEFITTER, STEAMFIT	1,045	1,328	35	34	69	
77387508	PIPELAYERS	84	76		2	2	
77387602	CARPET INSTALLERS	43	61	2	1	3	
77387608	FLOOR SANDING MACHINE OPERATO	1	1				
77387702	AIR HAMMER OPERATORS	35	28		1	1	
77387711	HIGHWAY MAINTENANCE WORKERS	533	670	17	15	32	
77387802	INSULATION WORKERS	137	150	2	2	4	
77387808	ROOFERS	114	147	4	2	6	

SK5-CARPENTRY & CONST. TRADE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77387811	GLAZIERS	175	233	7	5	12	
77387817	FENCE ERECTORS	97	126	4	3	7	
77387899	CONSTRUCTION WORKERS (NO DETA	142	176	4	6	10	
77387905	BLASTERS AND EXPLOSIVES WORKE	41	47	1	1	2	
77489311	CABINETMAKERS & BENCH CARPENT	162	239	10	9	19	
77489314	FURNITURE FINISHERS	13	17	1	1	2	
77592311	WOODWORKING MACHINE SETTER/OP	80	107	3	8	11	
77998311	HELPERS:MASONS & TILE SETTERS	83	129	6	3	9	
77998312	HELPERS:CARPENTERS	279	426	18	11	29	
77998314	HELPERS:PAINTERS, PLASTERERS	4	6				
77998315	HELPERS:PLUMBERS, PIPEFITTERS	153	232	10	6	16	
77998316	HELPERS:ROOFERS	50	61	1	2	3	
77998319	HELPERS:ALL OTHER CONSTRUCTIO	1,570	1,842	34	35	69	
77998799	HAND MATERIAL MOVERS (NO DETA	1,317	1,552	29	35	64	
77998999	HAND LABORERS (NO DETAIL)	6,014	6,864	106	178	284	
CLUSTER TOTAL		18,084	22,333	534	746	1,280	621

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SK6-HEAVY EQUIP. MECH.& OPER.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
DIESEL TECHNOLOGY	15.7898			24					24
HEAVY EQUIP., MAINT., & REPAIR	47.0302		19						19
DIESEL ENGINE MECHANICS	47.0605		26						26
TRUCK & DIESEL MECHANIC	47.0699		26						26
CONSTRUCTION EQUIP. OPERATION	49.0202		10						10
ENGINEER	197.130-010					1			1
DIESEL MECHANIC	620.261-022							22	22
CONSTRUCTION-EQUIPMENT MECHANIC	620.261-022							4	4
MECHANIC, INDUSTRIAL TRUCK	620.281-050							1	1
AIRFRAME-AND-POWER-PLANT MECHANIC	621.281-014					2		1	3
AIRFRAME-AND-POWER-PLANT-MECHANIC APPR	621.281-018							1	1
DIESEL MECHANIC	625.281-010							10	10
DIESEL-MECHANIC APPRENTICE	625.281-014					1		4	5
OIL-FIELD EQUIPMENT MECHANIC	629.381-014							1	1
SCALE ASSEMBLY SET-UP WORKER	710.360-010							1	1
ASSEMBLER, MINING MACHINERY	801.261-010							1	1
UTILITY-TRACTOR OPERATOR	850.683-046							1	1
ROAD-OILING-TRUCK DRIVER	853.663-018							1	1
WELL-DRILL OPERATOR	859.362-010							1	1
OPERATING ENGINEER	859.683-010					2			2
HEAVY EQUIPMENT OPERATOR	859.633-010							76	76
OPERATING ENGINEER	859.683-010							12	12
OPERATING-ENGINEER APPRENTICE	859.683-014							8	8
ROUSTABOUT	869.684-046							1	1

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK6-HEAVY EQUIP. MECH.& OPER.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
HIGHWAY-MAINTENANCE WORKER	899.684-014						3		3
CONCRETE-MIXING-TRUCK DRIVER	900.683-010						1		1
DUMP-TRUCK DRIVER	902.683-010					1			2
TANK-TRUCK DRIVER	903.683-018						1		1
TRACTOR-TRAILER-TRUCK DRIVER	904.383-010						10		10
LOG-TRUCK DRIVER	904.683-010						2		2
TRUCK DRIVER, HEAVY	905.663-014					5	47		52
WATER-TRUCK DRIVER 2	905.683-010						1		1
STEVEDORE 1	911.663-014						1		1
LOADER 1	914.667-010					1			1
BALING-MACHINE TENDER	920.685-010						1		1
MATERIAL-HANDLING SUPERVISOR	921.133-018						1		1
RIGGER	921.260-010					1			1
YARDING ENGINEER	921.663-066						1		1
BOAT-HOIST OPERATOR	921.683-010						1		1
CONVEYOR OPERATOR	921.683-026						2		2
FRONT-END LOADER OPERATOR	921.683-042						1		1
COOKER LOADER	921.685-030						1		1
YARD SUPERVISOR, BUILDING MATERIALS OR	929.137-030						2		2
LOGGING-TRACTOR OPERATOR	929.683-010						10		10
ROTARY DRILLER	930.382-026						2		2
DRILLER HELPER	930.666-010						1		1
DERRICK WORKER, WELL SERVICE	930.683-018						1		1
MECHANICAL-SHOVEL OPERATOR	932.683-018					1			1

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SK6-HEAVY EQUIP. MECH.& OPER.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
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LABORER 939.687-018 8 8

CLUSTER TOTAL

0 81 24 0 15 147 98 365

SK6-HEAVY EQUIP. MECH.& OPER.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
66373011	LOGGING TRACTOR OPERATORS	368	496	16	10	26	
77285123	MILLWRIGHTS	270	327	7	8	15	
77285311	BUS, TRUCK, HEAVY EQUIP MECHA	1,878	2,238	45	52	97	
77285935	RIGGERS	15	10		1	1	
77387708	PAVING, SURFACING, TAMPING	19	17				
77387714	RAIL-TRACK LAYING EQUIP. OPER	29	23		1	1	
77387902	EARTH DRILLERS, EXC. OIL & GA	96	127	4	3	7	
77387911	DRILL OPERATORS, EXTRACTION	475	513	5	12	17	
77387921	ROUSTABOUTS	1,364	1,477	14	29	43	
77387923	ROOF BOLTERS	14	27	2	1	3	
77387943	MINE CUTTING MACHINE OPERATOR	102	139	5	3	8	
77897102	TRUCK DRIVERS, HEAVY	2,474	3,085	76	88	164	
77897308	RAIL YARD ENGINEERS,DINKEY OP	261	217	-5	12	7	
77897905	TANK CAR AND TRUCK LOADERS	15	14				
77897923	EXCAVATION/LOADING MACHINE OP	28	37	1	1	2	
77897928	DREDGE OPERATORS, DIPPER TEND	4	3				
77897938	GRADER, DOZER, SCRAPER OPER.	12	15				
77897941	HOIST, WINCH, AND CRANE OPER.	426	445	2	10	12	
77897947	INDUSTRIAL TRUCK/TRACTOR OPER	899	1,121	28	16	44	
77897956	OPERATING ENGINEERS	2,956	3,544	74	78	152	
77897999	MATERIAL MOVING OPER.(NO DETA	80	100	3	2	5	
CLUSTER TOTAL		11,785	13,975	277	327	604	365

SK7-AUTO. & ENGINE MECHANICS

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AUTOMOTIVE TECHNOLOGY	15.0803			39					39
AUTOMOTIVE BODY REPAIR	47.0603	12	25						37
AUTOMOTIVE MECHANICS	47.0604	244	113						357
SMALL ENGINE REPAIR	47.0606	18	12						30
APPRAISER, AUTOMOBILE DAMAGE	241.267-014						1		1
SUPERVISOR, GARAGE	620.131-014					1	1		2
SUPERVISOR, MOTORCYCLE REPAIR SHOP	620.131-018						1		1
AUTOMOBILE MECHANIC	620.261-010					12	55		67
AUTOMOBILE-MECHANIC, APPRENTICE	620.261-012							3	3
AUTOMOBILE TESTER	620.261-014						1		1
AUTOMOBILE-REPAIR-SERVICE ESTIMATOR	620.261-018					2	3		5
AUTOMOTIVE-MAINTENANCE-EQUIPMENT SERVI	620.281-018					2	1		3
FRONT-END MECHANIC	620.281-038						4		4
MOTORCYCLE REPAIRER	620.281-054						4		4
TRANSMISSION MECHANIC	620.281-062						1		1
TUNE-UP MECHANIC	620.281-066					1	9		10
SQUEAK, RATTLE, AND LEAK REPAIRER	620.364-010						2		2
MECHANIC, ENDLESS TRACK VEHICLE	620.381-014					1			1
AUTOMOBILE WRECKER	620.684-010						4		4
AUTOMOBILE-MECHANIC HELPER	620.684-014					3	24	5	32
USED-CAR RENOVATOR	620.684-034						7		7
MOTORBOAT MECHANIC	623.281-038						1		1
DIESEL-MECHANIC APPRENTICE	625.281-014								
FUEL-INJECTION SERVICER	625.281-022					1	1		2

|-----S U P P L Y S O U R C E S-----|

SK7-AUTO. & ENGINE MECHANICS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HICHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
POWER-SAW MECHANIC	625.281-030					1	2		3
SMALL-ENGINE MECHANIC	625.281-034					13	6		19
PUMP-SERVICER HELPER	630.684-022					1	1		2
FIRE-FIGHTING-EQUIPMENT SPECIALIST	638.281-010					1			1
MAINTENANCE-MECHANIC HELPER	638.684-018						1		1
BICYCLE REPAIRER	639.681-010						1		1
TIRE TECHNICIAN	750.382-010						2		2
ASSEMBLER, CAMPER	806.684-018						2		2
AUTOMOBILE-ACCESSORIES INSTALLER	806.684-038						1		1
MOTORCYCLE ASSEMBLER	806.684-090					1			1
REPAIRER, GENERAL	806.684-118						3		3
AUTOMOBILE-BODY REPAIRER	807.381-010					7	28		35
SERVICE MECHANIC	807.381-022						1		1
MUFFLER INSTALLER	807.664-010					1	3		4
AUTOMOBILE-BODY-REPAIRER HELPER	807.687-010					1			1
PAINTER, TRANSPORTATION EQUIPMENT	845.381-014					1	2		3
STEAM-CLEANING-MACHINE OPERATOR	891.685-010					1	3		4
AUTOMOBILE-SERVICE-STATION ATTENDANT	915.467-010						17		17
AUTOMOBILE-SELF-SERVE-SERVICE-STATION	915.477-010					1	2		3
TIRE REPAIRER	915.684-010					1	10		11
LUBRICATION SERVICER	915.687-018					1	9		10
CLUSTER TOTAL		274	150	39	0	54	214	8	739

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MONTANA D E M A N D R E P O R T

SK7-AUTO. & ENGINE MECHANICS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77081002	FIRST LINE SUPERV.:MECHANICS	384	453	9	17	26	
77285116	MACHINERY MECHANICS:MARINE EQ	16	23	1		1	
77285302	AUTOMOTIVE MECHANICS	2,413	2,931	65	60	125	
77285305	AUTOMOTIVE BODY,RELATED REPAI	354	438	11	8	19	
77285317	RAIL CAR REPAIRERS	294	235	-6	9	3	
77285328	SMALL ENGINE SPECIALISTS	36	49	2	1	3	
77285951	BICYCLE REPAIRERS	44	54	1	1	2	
77285953	TIRE REPAIRERS AND CHANGERS	269	322	7	6	13	
77592947	PAINTERS: TRANSPORTATION EQUI	113	141	4	3	7	
77693947	PAINTING AND COATING, HAND	10	18	1		1	
77897805	SERVICE STATION ATTENDANTS	965	1,172	26	22	48	
77998102	MECHANIC AND REPAIRER HELPERS	99	100		3	3	
CLUSTER TOTAL		4,997	5,936	121	130	251	739

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK8-MACHINE SHOP

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MACHINE TOOL OPER/MACHINE SHOP	48.0503								32
BULLET-SLUG-CASTING-MACHINE OPERATOR	502.382-010						6		6
INSTRUMENT MAKER	600.280-010						1		1
MACHINIST	600.280-022						12		12
MACHINIST APPRENTICE	600.280-026						1		1
MACHINIST, AUTOMOTIVE	600.280-034						1		1
GRINDER SET-UP OPERATOR, CENTERLESS	603.382-014						1		1
DRILL-PRESS OPERATOR	606.682-014					1			1
SAW OPERATOR	607.682-018						1		1
MACHINE OPERATOR 1	616.360-018						1		1
MACHINE HELPER	619.687-014						2		2
GUNSMITH	632.281-010					1			1
MILLWRIGHT	638.281-018						2		2
MOLDER OPERATOR	665.682-018						2		2
BAND-SCROLL-SAW OPERATOR	667.682-010								
MACHINIST, WOOD	669.380-014						1		1
STAPLING-MACHINE OPERATOR	692.685-202						1		1
SAW FILER	701.381-014						1		1
TOOL GRINDER 1	701.381-018						1		1
ENGRAVER, PANTOGRAPH 1	704.382-010								
BENCH GRINDER	705.684-010						6		6
POLISHER	705.684-058						1		1
ASSEMBLER, PRODUCT	706.684-018						1		1
VALVE GRINDER	706.684-098						1		1

SK8-MACHINE SHOP

-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
PRODUCTION ASSEMBLER	737.684-034						1		1
ASSEMBLER, ALUMINUM BOATS	806.481-010								
DRILLER, HAND	809.684-018						1		1
CLUSTER TOTAL		0	32	0	0	2	45	0	79

SK8-MACHINE SHOP

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22325111	PROGRAMMERS: TOOL, NUMERICAL	6	6				
77183002	PRECISION INSPECTORS, GRADERS	64	72	1	2	3	
77285110	MACHINERY MAINTENANCE MECHANIC	616	670	7	17	24	
77285113	MACHINERY MECHANICS: SEWING M	4	5				
77285117	MACHINERY MECH.: UNDERGROUND M	50	74	3	2	5	
77285118	MACHINERY MECHANIC: PLANT	101	116	2	3	5	
77285128	MACHINERY MAINTENANCE WORKERS	313	366	7	9	16	
77285928	MECHANICAL CONTROL INSTALLERS	49	60	1	1	2	
77285999	MECHANICS, INSTALLERS(NO DETA	325	390	8	13	21	
77489102	TOOL AND DIE MAKERS	3	4				
77489108	MACHINISTS	485	556	9	14	23	
77489111	TOOL GRINDERS, FILERS, SHARPENE	109	142	4	4	8	
77591102	SAWING MACH. TOOL SETTER/OP.,	1	1				
77591105	LATHE, TURNING MACH. SETTER/OP,	5	6				
77591108	DRILLING, BORING MACH. SET/OP.,	2	2				
77591117	MACHINE TOOL CUTTING OPER., M	22	36	2	1	3	
77591305	PRESS, BRAKE MACH. SETTER/OP.,	1	1				
77591321	MACHINE FORMING OPERATORS, M/	8	9				
77591502	NUMERICAL CONTROL MACH. TOOL,	7	7				
77591505	COMBINATION MACH. TOOL SET/OP,	3	4				
77591508	COMBINATION MACH. TOOL OPER.,	17	24	1		1	
77591905	PLASTIC MOLDING, CASTING OPER	15	19	1		1	
77592197	OTHER METAL/PLASTIC SETTER/OP	26	36	1	1	2	
77592198	OTHER METAL/PLASTIC MACH. OPE	1	1				
77592302	SAWING MACHINE SETTER/OPERATO	31	41	1	1	2	

SK8--MACHINE SHOP

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77592308	SAWING MACHINE OPERATOR/TENDE	552	734	23	20	43	
77592314	WOODWORKING MACHINE OPERATORS	139	191	7	4	11	
77592914	PAPER GOODS MACHINE SETTER/OP	19	27	1	1	2	
77592941	CUTTING AND SLICING SETTER/OP	14	15				
77592944	CUTTING & SLICING MACHINE OPE	51	56	1	2	3	
77592951	COATING, PAINTING SETTER/OPER	14	20	1		1	
77592953	COATING, PAINTING MACH. OPER.	51	68	2	1	3	
77592956	CEMENTING, GLUING MACHINE OPE	118	161	5	4	9	
77592962	SEPARATING, FILTERING MACH. O	46	59	2	1	3	
77592965	CRUSHING & MIXING MACHINE OPE	308	365	7	8	15	
77592968	EXTRUDING, FORMING SETTER/OPE	19	19				
77592971	EXTRUDING, FORMING OPERATOR	123	136	2	3	5	
77592974	PACKAGING, FILLING MACHINE OP	306	326	3	8	11	
77592997	ALL OTHER MACHINE SETTERS/OPE	46	47		1	1	
77592998	MACHINE OPERATORS (NO DETAIL)	1,468	1,815	43	43	86	
77693105	MACHINE BUILDERS	2	2				
77693111	ELECTROMECHANICAL EQ. ASSEMBL	3	3				
77693199	PRECISION ASSEMBLERS (NO DETA	61	63		2	2	
77693926	CUTTERS AND TRIMMERS, HAND	5	8				
77693928	PORTABLE MACHINE CUTTERS	2	2				
77897951	CONVEYOR OPERATORS AND TENDER	235	293	7	5	12	
77998502	MACHINE FEEDERS AND OFFBEARER	1,033	1,352	40	31	71	
CLUSTER TOTAL		6,879	8,410	192	202	394	79

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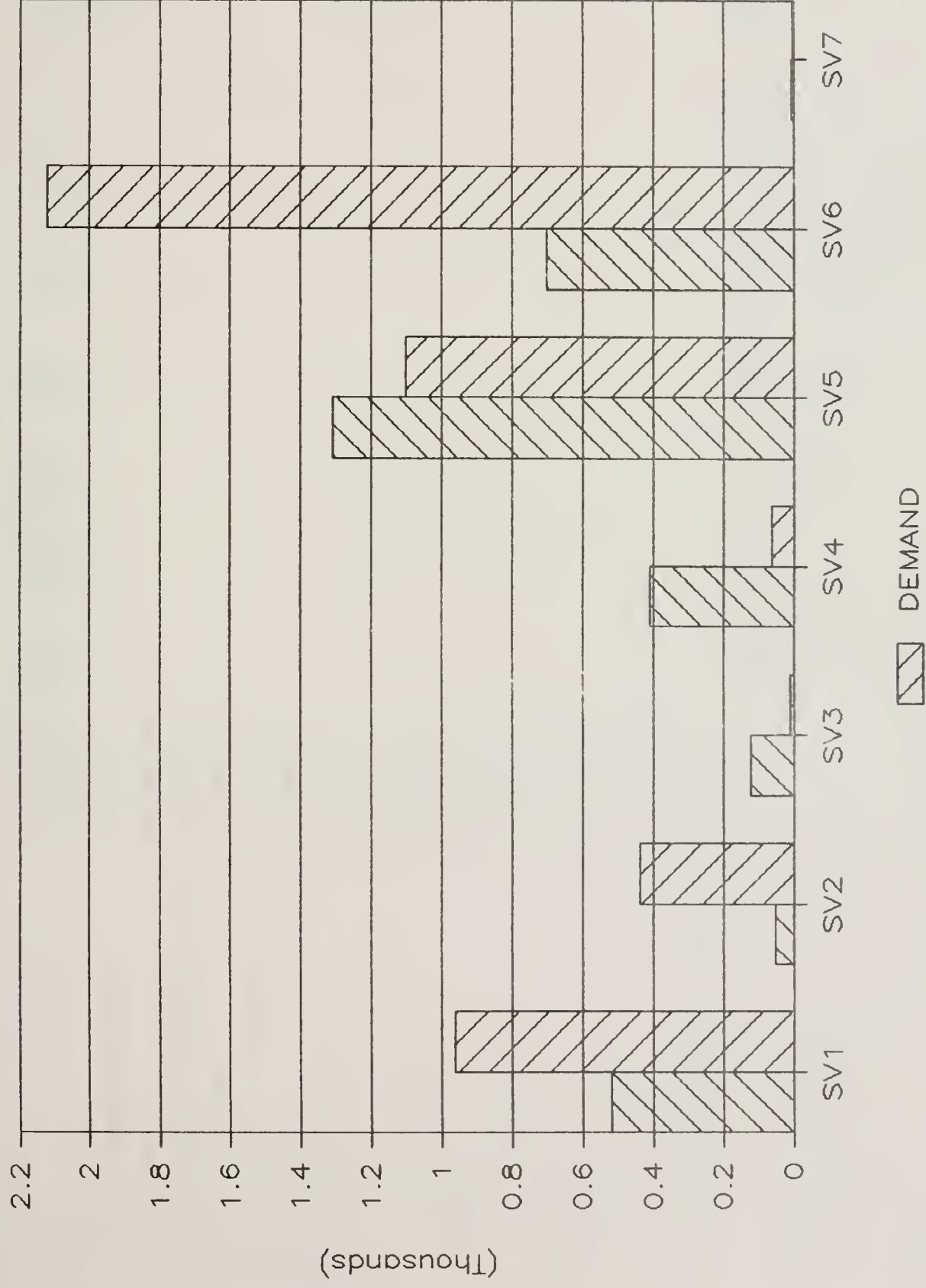
SK9-METAL WORKING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
PRECISION METAL WORK	48.0501	23							23
PLATER, PRODUCTION	500.365-010					1	1		2
PLATER	500.380-010					1			1
FLOTATION TENDER	511.685-026						1		1
MOLDER	518.361-010						1		1
SAW OPERATOR	607.682-018								
MACHINE OPERATOR 1	616.360-018								
METAL FABRICATOR	619.360-014						3		3
METAL-FABRICATOR APPRENTICE	619.360-018						3		3
MACHINE HELPER	619.687-014								
MOLDER, PATTERN	693.381-022						3		3
POLISHER	705.684-058								
BENCH HAND	706.381-014					1			1
PLATER	719.684-014					1			1
SHEET-METAL-WORKER APPRENTICE	804.281-014					1			1
BOILERMAKER APPRENTICE	805.261-010						1		1
BOILERMAKER 2	805.381-010					1			1
SKIN FITTER	806.381-054								
ASSEMBLER, ALUMINUM BOATS	806.481-010						1		1
SUPERVISOR, METAL FABRICATING	809.130-014						1		1
FABRICATOR-ASSEMBLER, METAL PRODUCTS	809.381-010					1	16		17
ASSEMBLER, UNIT	809.681-010						2		2
CLUSTER TOTAL		23	0	0	0	7	33	0	63

SK9-METAL WORKING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122105	METALLURGISTS & MATERIAL ENGR	26	36	1	1	2	
77387814	STRUCTURAL METAL WORKERS	116	116		2	2	
77489114	PATTERN AND MODEL MAKERS: MET	17	27	1	1	2	
77489117	PRECISION LAYOUT WORKERS: MET	3	3				
77489132	SHEET METAL WORKERS	369	512	18	10	28	
77489135	BOILERMAKERS	66	72	1	2	3	
77489199	ALL OTHER PRECISION METAL	6	5				
77489902	PRECISION FOUNDRY MOLD/CORE	8	13	1		1	
77489905	PRECISION MOLDERS, SHAPERS	24	31	1	1	2	
77489908	PRECISION PATTERN, MODELMAKER	7	10				
77489911	PRECISION DETAIL DESIGN	16	28	2	1	3	
77489999	PRECISION PRODUCTION (NO DETA	839	903	8	30	38	
77591708	SOLDERING, BRAZING MACH. SET/	3	4				
77591714	STRUCTURAL METAL FABRICATORS	185	247	8	5	13	
77591908	METAL MOLDING,CASTING SETTER/	10	16	1		1	
77591917	ELECTROLYTIC PLATING SET/OP.,	11	16	1		1	
77693108	PRECISION STRUCT. METAL FIT E	22	31	1	1	2	
77693941	METAL POURERS, BASIC SHAPES	22	23				
77693944	MOLDERS AND CASTERS, HAND	2	7	1		1	
77693956	ASSEMBLERS AND FABRICATORS	300	406	13	9	22	
77693999	ASSEMBLERS, HAND WORK. (NO DETA	336	415	10	12	22	
CLUSTER TOTAL		2,388	2,921	68	75	143	63

SERVICE



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|-----S U P P L Y S O U R C E S-----|

SV1-INSTIT. & BLDG SERVICE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
INSTITUTIONAL MANAGEMENT, OTHER	06.0799			4					4
HOUSEKEEPER, HOME	301.137-010				1		1		2
HOUSE WORKER, GENERAL	301.474-010				1		19		20
CARETAKER	301.687-010						4		4
HOUSEKEEPER	321.137-010				2		14		16
CLEANER, HOSPITAL	323.687-010						6		6
CLEANER, HOUSEKEEPING	323.687-014				4		42		46
HOUSECLEANER	323.687-018				1		5		6
CHECKROOM ATTENDANT	358.677-010						4		4
RESTROOM ATTENDANT	358.677-018						1		1
RUG CLEANER, HAND	369.384-014						1		1
PARKING ENFORCEMENT OFFICER	375.587-010								
HOUSE OFFICER	376.367-018								
SUPERVISOR, JANITORIAL SERVICES	381.137-010						2		2
CENTRAL-SUPPLY WORKER	381.687-010						2		2
CLEANER, COMMERCIAL OR INSTITUTIONAL	381.687-014					14	48		62
CLEANER, INDUSTRIAL	381.687-018					2	7		9
CLEANER, LABORATORY EQUIPMENT	381.687-022						5		5
JANITOR	382.664-010					36	252		288
SEXTON	389.667-010						4		4
EXTERMINATOR	389.684-010						1		1
CHIMNEY SWEEP	891.687-010					1			1
MAINTENANCE REPAIRER, BUILDING	899.381-010					4	13	4	21
BUILDING & APPARTMENT MAINTENANCE	899.381-022							1	1

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MONTANA SUPPLY REPORT

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-----S U P P L Y S O U R C E S-----

SV1-INSTL. & BLDG SERVICE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BUILDING MAINTENANCE	899.884-010							2	2
GARBAGE COLLECTOR	909.687-010						1		1
LABORER, GENERAL	909.687-014					1			1
CLEANER 2	919.687-014					2	2		4
BOILER OPERATOR	950.382-010								
STREET CLEANER	955.687-018						5		5
CLUSTER TOTAL		0	0	4	0	69	439	7	519

SV1-INSTL. & BLDG SERVICE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
44353808	HOTEL DESK CLERKS	605	756	19	29	48	
55161008	HOUSEKEEPERS	100	131	4	9	13	
55767002	MAIDS AND HOUSEKEEPING CLEANERS	3,056	3,978	115	272	387	
55767005	JANITORS AND CLEANERS, EXC.MA	4,126	4,824	87	232	319	
55767011	ELEVATOR OPERATORS	11	13		1	1	
55767099	BUILDING SERVICE (NO DETAIL)	1,510	1,781	34	52	86	
55868023	BAGGAGE PORTERS AND BELLHOPS						
55969999	SERVICE WORKERS (NO DETAIL)	834	1,046	27	56	83	
77285932	ELEVATOR INSTALLERS & REPAIRERS	20	26	1	1	2	
77387511	SEPTIC TANK, SEWER SERVICERS	2	2				
77897802	BRIDGE, LOCK, LIGHTHOUSE TENDERS	15	12		1	1	
77998705	REFUSE COLLECTORS	263	324	8	13	21	
CLUSTER TOTAL		10,542	12,893	295	666	961	519

SV2-VEHICLE OPERATORS/CLEANERS

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
TRANSPORTATION MANAGEMENT	06.0705			3					3
TRAFFIC INSPECTOR	184.163-010					1			1
CONDUCTOR, ROAD FREIGHT	198.167-018						1		1
COIN COLLECTOR (ROUTE DRIVER)	292.483-010						1		1
DELIVERER, MERCHANDISE	299.477-010					1	3		4
SCHOOL BUS MONITOR	372.667-042						1		1
USED-CAR RENOVATOR	620.684-034								
GARBAGE COLLECTOR DRIVER	905.663-010					1			1
VAN DRIVER	905.663-018						1		1
TRUCK-DRIVER HELPER	905.687-010					1			1
TRUCK DRIVER, LIGHT	906.683-022					2	17		19
GARBAGE-COLLECTION SUPERVISOR	909.137-014						1		1
TRUCK SUPERVISOR	909.137-018					1			1
GARBAGE COLLECTOR	909.687-010								
FIRER, LOCOMOTIVE	910.363-010					1			1
TRACK REPAIRER	910.682-010						3		3
ABLE SEAMAN	911.364-010					1			1
BUS DISPATCHER, INTERSTATE	913.167-010					1			1
TAXICAB STARTER	913.367-010						1		1
BUS DRIVER	913.463-010					1	3		4
PARKING-LOT ATTENDANT	915.473-010					1			1
STEAM CLEANER	915.667-026						2		2
INDUSTRIAL-TRUCK OPERATOR	921.683-050						2		2

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-----SUPPLY SOURCES-----|

SV2-VEHICLE OPERATORS/CLEANERS

TITLE	CODE	PUBLIC		VO-ED		HIGHER		PROP.		VOC		CETA		JOB		SUPPLY
		SEC		VO-TECH		EO.		SCHOOLS		REHAB				CORPS		TOTALS
CLUSTER TOTAL		0		0		3		0		12		36		0		51

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MONTANA D E M A N D R E P O R T

SV2-VEHICLE OPERATORS/CLEANERS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
33343099	SERVICE SALES OCC. (NO DETAIL						
77081011	FIRST LINE SUPERV.:TRANSPORT.	347	283	-7	13	6	
77897105	TRUCK DRIVERS, LIGHT	258	288	4	9	13	
77897108	BUS DRIVERS	501	635	17	18	35	
77897111	BUS DRIVERS: SCHOOL	509	663	19	19	38	
77897114	TAXI DRIVERS AND CHAUFFEURS	73	97	3	4	7	
77897117	DRIVER SALES WORKERS	2,533	2,957	53	60	113	
77897199	ALL OTHER MOTOR VEHICLE OPER.	3,037	3,578	68	126	194	
77897305	LOCOMOTIVE ENGINEERS	183	146	-4	8	4	
77897311	LOCOMOTIVE FIRERS	108	86	-2	2		
77897399	ALL OTHER RAIL VEHICLE OPER.	44	35		1	1	
77897502	CAPTAINS: WATER VESSEL	1	1				
77897511	MOTORBOAT OPERATORS	1	1				
77897808	PARKING LOT ATTENDANTS	23	29	1	2	3	
77897899	ALL OTHER TRANSPORTATION	4	7				
77998705	REFUSE COLLECTORS						
77998905	VEHICLE, EQUIPMENT CLEANERS	399	497	12	10	22	
CLUSTER TOTAL		8,021	9,303	164	272	436	51

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-----SUPPLY SOURCES-----|

SV3-BARBERING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BARBERING	12.0402				99				99
MANAGER, BARBER OR BEAUTY SHOP	187.167-05B						1		1
BARBER	330.371-010					3	15		18
BARBER APPRENTICE	330.371-014					1	1		2
CLUSTER TOTAL		0	0	0	99	4	17	0	120

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
55868002	BARBERS	108	119	1	7	8	
CLUSTER TOTAL		108	119	1	7	8	120

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SV4-COSMETOLOGY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
COSMETOLOGY	12.0403				374				374
MANAGER, BARBER OR BEAUTY SHOP	187.167-058								
MANICURIST	331.674-010					1			1
COSMETOLOGIST	332.271-010					9	23		32
HAIR STYLIST	332.271-018					2			2
CLUSTER TOTAL		0	0	0	374	12	23	0	409

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SV4-COSMETOLOGY

MONTANA D E M A N D R E P O R T

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
55868005	HAIRDRESSERS AND COSMETOLOGIS	616	853	30	33	63	
CLUSTER TOTAL		616	853	30	33	63	409

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|-----S U P P L Y S O U R C E S-----|

SV5-CHILD CARE SERVICES

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
SCHOOL PSYCHOLOGY	13.0801			2					2
SPECIAL EDUCATION, GENERAL	13.1001			64					64
EDUCATION OF THE MENTALLY HANDICAPPED	13.1006			5					5
SPECIFIC LEARNING DISABILITIES	13.1011			3					3
STUDENT COUNSELING AND PERSONNEL SERVI	13.1101			72					72
ADULT AND CONTINUING EDUCATION	13.1201			38					38
ELEMENTARY EDUCATION	13.1202			340					340
SECONDARY EDUCATION	13.1205			24					24
AGRICULTURAL EDUCATION	13.1301			12					12
ART EDUCATION	13.1302			7					7
BUSINESS EDUCATION	13.1303			22					22
ENGLISH EDUCATION	13.1305			10					10
INDUSTRIAL ARTS EDUCATION	13.1309			40					40
MATHEMATICS EDUCATION	13.1311			12					12
MUSIC EDUCATION	13.1312			34					34
PHYSICAL EDUCATION	13.1314			161					161
READING EDUCATION	13.1315			10					10
SCIENCE EDUCATION	13.1316			9					9
SOCIAL SCIENCE EDUCATION	13.1317			16					16
SOCIAL STUDIES EDUCATION	13.1318			6					6
TECHNICAL EDUCATION	13.1319			9					9
TRADES & INDUSTRIAL EDUCATION	13.1320			2					2
EARLY CHILDHOOD	13.7898			3					3
HOME ECONOMICS, GENERAL	19.0101			77					77

|-----S U P P L Y S O U R C E S-----|

SV5-CHILD CARE SERVICES

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CHILD CARE & GUIDANCE MGT.	20.0201	34							34
DIRECTOR OF COUNSELING	045.107-018								
PSYCHOLOGIST, CLINICAL	045.107-022								
PSYCHOLOGIST, COUNSELING	045.107-026								
RESIDENCE COUNSELOR	045.107-038								
NURSE, SCHOOL	075.124-010								
COMMUNITY-SERVICES-AND-HEALTH-EDUCATIO	079.167-010								
FACULTY MEMBER, COLLEGE OR UNIVERSITY	090.227-010								
TEACHER, INDUSTRIAL ARTS	091.221-010								
TEACHER, SECONDARY SCHOOL	091.227-010								
TEACHER, ELEMENTARY SCHOOL	092.227-010								
TEACHER, PRESCHOOL	092.227-018								
EDUCATIONAL THERAPIST	094.227-010								
TEACHER, BLIND	094.227-014								
TEACHER, HANDICAPPED STUDENTS	094.227-018								
TEACHER, MENTALLY RETARDED	094.227-022								
INSTRUCTOR, PHYSICAL EDUCATION	099.224-010								
CHILDREN'S TUTOR	099.227-010								
TEACHER, ADULT EDUCATION	099.227-030								
TEACHER AIDE 1	099.327-010								
LIBRARIAN	100.127-014								
MEDIA SPECIALIST, SCHOOL LIBRARY	100.167-030								
TEACHER, ART	149.021-010								
TEACHER, MUSIC	152.021-010								

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SV5-CHILD CARE SERVICES

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ATHLETIC TRAINER	153.224-010							1	1
RESIDENCE SUPERVISOR	187.167-186							3	4
SOCIAL WORKER, DELINQUENCY PREVENTION	195.107-026					1			
SOCIAL WORKER, SCHOOL	195.107-038					1			1
COMMUNITY ORGANIZATION WORKER	195.167-010						2		2
LIBRARY ASSISTANT	249.367-046					2	16		18
TEACHER AIDE 2	249.367-074					2	14		16
CHILD MONITOR	301.677-010					2	30		32
HOMEMAKER	309.354-010						52		52
CHILD-CARE ATTENDANT, SCHOOL	355.674-010					3	4		7
ATTENDANT, CHILDREN'S INSTITUTION	359.677-010						2		2
NURSERY SCHOOL ATTENDANT	359.677-018					3	30		33
PLAYROOM ATTENDANT	359.677-026						4		4
CLUSTER TOTAL		34	0	978	0	77	221	0	1310

SV5-CHILD CARE SERVICES

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22427302	MED./PSYCHIATRIC SOCIAL WORKE						
22427305	SOCIAL WORKERS, EXC. MED./PSY						
22631102	PROFESSORS	720	802	10	24	34	
22631105	ASSOCIATE PROFESSORS	450	501	6	15	21	
22631108	ASSISTANT PROFESSORS	404	450	6	14	20	
22631111	LECTURERS	180	201	3	6	9	
22631117	GRADUATE ASSISTANTS, TEACHING	293	327	4	8	12	
22631302	TEACHERS: PRESCHOOL & ELEMENT	6,242	6,982	93	227	320	
22631308	TEACHERS: SECONDARY SCHOOL	4,669	5,203	67	133	200	
22631314	TEACHERS: VOCATIONAL EDUCATIO	864	982	15	38	53	
22631317	INSTRUCTORS: NONVOCATIONAL ED	519	604	11	22	33	
22631321	INSTRUCTORS AND COACHES: SPOR	176	211	4	6	10	
22631399	TEACHERS, INSTRUCTORS(NO DETA	140	189	6	9	15	
22631502	LIBRARIANS, PROFESSIONAL	605	700	12	28	40	
22631505	TECHNICAL ASSISTANTS: LIBRARY	230	268	5	5	10	
22631514	VOCATIONAL AND EDUC. COUNSEL	456	524	9	14	23	
22732314	SPEECH PATHOLOGISTS,AUDIOLOGI						
22834058	ATHLETE, COACH, UMPIRE & RELA	46	52	1	1	2	
44353902	LIBRARY ASSISTANTS, BOOKMOBIL	614	720	13	19	32	
44353905	TEACHER AIDES, EDUC. ASSISTAN	3,020	3,398	47	81	128	
55363099	PROTECTIVE SERVICE (NO DETAI	691	816	16	35	51	
55868035	SOCIAL WELFARE SERVICE AIDES	394	463	9	16	25	
55868038	CHILD CARE WORKERS	630	827	25	40	65	
CLUSTER TOTAL		21,343	24,220	362	741	1,103	1310

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SV6-FOOD PROD., MGMT., & SERV.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
FOOD PROD., MGT. & SERVICES, GENERAL	20.0401	30	5						35
CHEF/COOK	20.0403		23						23
HOME ECONOMIST	096.121-014						1		1
MANAGER, FAST FOOD SERVICES	185.137-010						2		2
MANAGER, FOOD SERVICE	187.167-106					5	4		9
MANAGER, LIQUOR ESTABLISHMENT	187.167-126					1			1
COOK	305.281-010						1		1
HOST/HOUSTESS, RESTAURANT	310.137-010						7		7
KITCHEN SUPERVISOR	310.137-014					1	1		2
CAR HOP	311.477-010						13		13
COUNTER ATTENDANT, LUNCHROOM OR COFFEE	311.477-014						95		95
WAITER/WAITRESS, BAR	311.477-018						18		18
WAITER/WAITRESS, FORMAL	311.477-026						16		16
WAITER/WAITRESS, INFORMAL	311.477-030						36		36
WAITER/WAITRESS, ROOM SERVICE	311.477-034						1		1
CANTEEN OPERATOR	311.674-010					1	1		2
WAITER/WAITRESS, BUFFET	311.674-018					1	4		5
CAFETERIA ATTENDANT	311.677-010					1	1		2
COUNTER ATTENDANT, CAFETERIA	311.677-014						3		3
DINING ROOM ATTENDANT	311.677-018						1		1
BARTENDER	312.474-010					5	42		47
BAR ATTENDANT	312.477-010					1	1		2
BARTENDER HELPER	312.687-010						1		1
CHEF	313.131-014					4	4		8

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FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SV6-FOOD PROD., MGMT., & SERV.

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
BAKER, SECOND	313.361-010						3		3
COOK	313.361-014					4	83		87
COOK, APPRENTICE	313.361-018							22	22
COOK, SHORT ORDER 1	313.361-022					1	31		32
COOK, SPECIALTY	313.361-026						1		1
COOK, SPECIALTY, FOREIGN FOOD	313.361-030						2		2
COOK, SCHOOL CAFETERIA	313.381-030						1		1
COOK, SHORT ORDER 2	313.671-010					1	4		5
COOK HELPER, PASTRY	313.687-010						1		1
COOK	315.361-010					5	16	32	53
COOK, PASTRY, PSYCHIATRIC HOSPITAL	315.361-014					1	7		8
MEAT CUTTER	316.684-018					1	6		7
MEAT-CUTTER APPRENTICE	316.684-022					1	1		2
PANTRY GOODS MAKER	317.684-014					1			1
COOK HELPER	317.687-010					3	4	2	9
KITCHEN HELPER	318.687-010					14	94		108
FOOD-SERVICE SUPERVISOR	319.137-010					1	1		2
FOOD ASSEMBLER, KITCHEN	319.484-010					1	1		2
WAITER/WAITRESS	350.677-030						1		1
FOOD-SERVICE WORKER, HOSPITAL	355.677-010					2	3		5
SAUSAGE MIXER	520.685-206						1		1
BUTCHER, ALL-ROUND	525.381-014						1		1
MEAT DRESSER	525.664-010						2		2
CARCASS SPLITTER	525.684-018						1		1

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FOR PERIOD 1982-1983.

SV6-FOOD PROD., MGMT., & SERV.

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
POULTRY EVISCERATOR	525.687-074						1		1
BAKER	526.381-010					1	4		5
BAKER APPRENTICE	526.381-014					1			1
COOK, KETTLE	526.381-026						1		1
DOUGHNUT MAKER	526.684-010						1		1
BAKER HELPER	526.686-010					1			1
CANNERY WORKER	529.686-014					1			1
MIXING-MACHINE OPERATOR	550.382-022						2		2
CLUSTER TOTAL		30	28	0	0	60	527	56	701

SV6-FOOD PROD., MGMT., & SERV.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11515026	FOOD SERVICE & LODGING MANAGE	1,178	1,510	42	51	93	
22732521	DIETITIANS AND NUTRITIONISTS	182	233	6	9	15	
55565002	HOSTS & HOSTESSES	437	564	16	16	32	
55565005	BARTENDERS	1,766	2,218	57	90	147	
55565008	WAITERS AND WAITRESSES	7,319	9,304	248	270	518	
55565011	FOOD SERVERS, OUTSIDE	99	129	4	4	8	
55565014	DINING ROOM & BARTENDER HELPE	1,543	1,979	55	19	74	
55565021	BAKERS, BREAD AND PASTRY	226	275	6	10	16	
55565023	BUTCHERS AND MEAT CUTTERS	549	598	6	20	26	
55565026	COOKS: RESTAURANT	1,510	1,942	54	69	123	
55565028	COOKS: INSTITUTION OR CAFETER	1,412	1,687	34	62	96	
55565032	COOKS: FAST FOOD AND SHORT OR	2,002	2,548	68	91	159	
55565038	FOOD PREPARATION WORKERS	4,353	5,414	133	173	306	
55565041	COMB. FOOD PREPARATION, SERVI	5,047	6,467	178	230	408	
55565099	FOOD SERVICE WORKERS (NO DETA	620	766	18	42	60	
77489802	SLAUGHTERERS AND BUTCHERS	272	312	5	9	14	
77489805	BAKERS: MANUFACTURING	339	372	4	14	18	
77489808	FOOD BATCHMAKERS	29	31		1	1	
77489899	OTHER PRECISION FOOD, TOBACCO	24	24		1	1	
77592917	COOKING MACHINE OPER., FOOD/T	14	16				
77592921	ROASTING, DRYING OPER., FOOD/T	24	22		1	1	
77592932	DAIRY PROCESSING EQUIP. OPERA	39	37		1	1	
77592958	CLEANING, PICKLING EQUIP. OPER	15	16				
77693935	CANNERY WORKERS	4	5				
77693938	MEAT, POULTRY, FISH CUTTERS	95	109	2	3	5	

SV6-FOOD PROD., MGMT., & SERV.

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
CLUSTER	TOTAL	29,098	36,578	936	1,186	2,122	701

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SV7-FUNERAL SERVICES

TITLE	CODE	PUBLIC		VO-ED		HIGHER	PROP.		VOC	CETA	JOB	SUPPLY
		SEC	ED.	VO-TECH	ED.	SCHOOLS	REHAB	CORPS	TOTALS			

CEMETERY WORKER 406.684-010 6 6

CLUSTER TOTAL 0 0 0 0 0 0 0 6

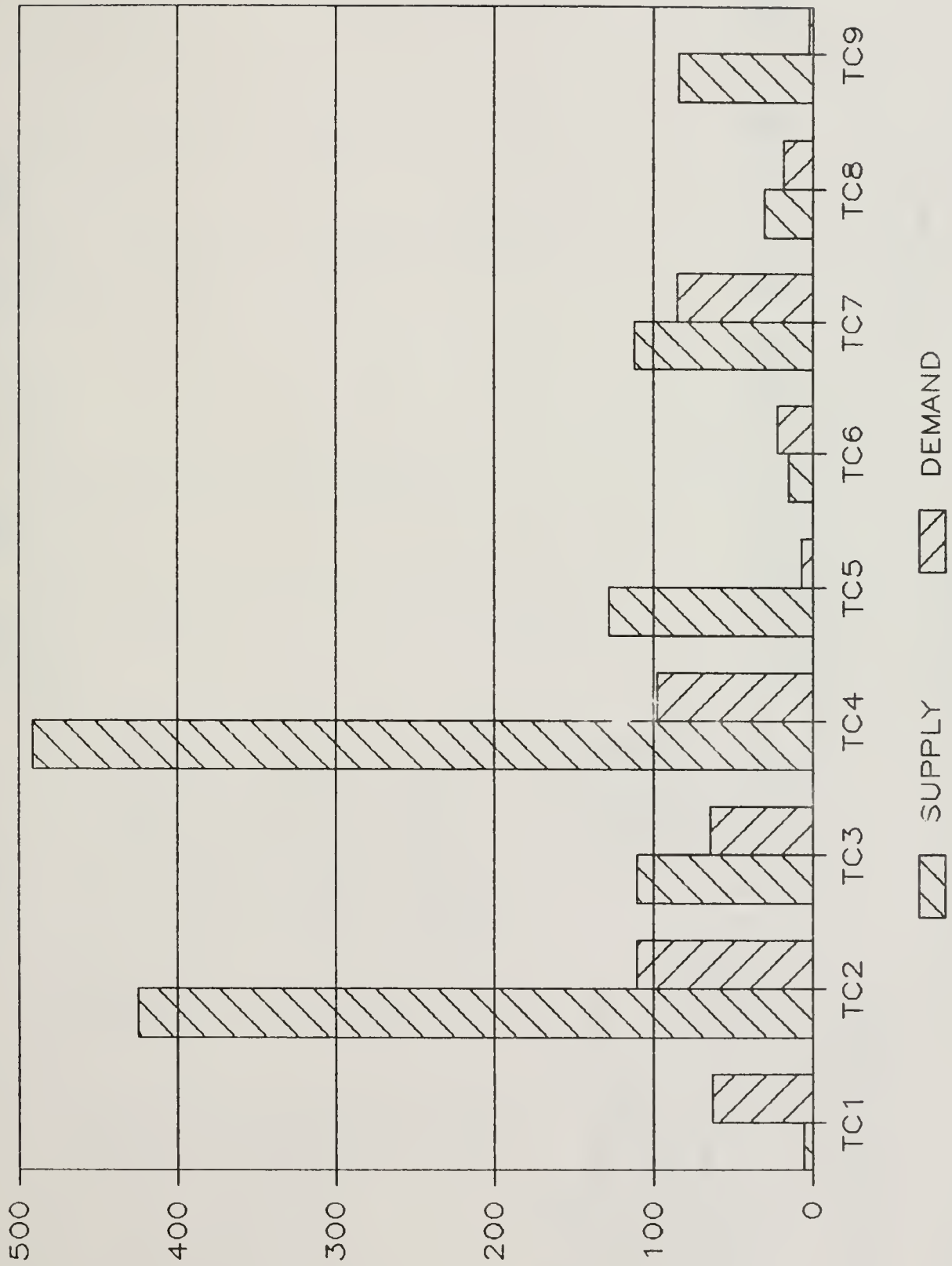
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MONTANA D E M A N D R E P O R T

SV7-FUNERAL SERVICES

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22939014	EMBALMERS	41	45	1	1	2	
55868041	FUNERAL ATTENDANTS	4	4				
CLUSTER TOTAL		45	49	1	1	2	6

TECHNOLOGY



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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

TC1-POWER STATION OPERATORS

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CONVENTIONAL ELECTRIC POWER GENERATION	47.0502			1					1
ELECTRICAL ENGINEER, POWER SYSTEM	003.167-018								
BOILER OPERATOR	950.382-010						2		2
POWER-PLANT OPERATOR	952.382-018					1			1
GAS-PUMPING-STATION HELPER	953.684-010						1		1
CLUSTER TOTAL		0	0	1	0	1	3	0	5

TC1-POWER STATION OPERATORS

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122117	NUCLEAR ENGINEERS	3	2				
77591935	FURNACE OPERATORS AND TENDERS	23	25		1	1	
77592923	FURNACE, KILN, OVEN, KETTLE OP	148	198	6	5	11	
77592926	LOW PRESSURE BOILER OPERATOR	273	308	4	12	16	
77795005	GAS PLANT OPERATORS	14	16		1	1	
77795021	POWER GENERATING PLANT OPERAT	53	57	1	2	3	
77795023	AUXILIARY EQUIP. OPER., POWER	9	10				
77795028	POWER DISTRIBUTORS & DISPATCH	27	28		1	1	
77795032	STATIONARY ENGINEERS	182	197	2	8	10	
77795099	PLANT AND SYSTEM OCC. (NO DETA	197	249	7	5	12	
77897921	GAS COMPRESSOR OPERATORS	42	45		1	1	
77897953	PUMP OPERATORS	90	111	3	3	6	
77898917	GAS PUMPING STATION OPERATORS	27	29		1	1	
CLUSTER TOTAL		1,088	1,275	23	40	63	5

|-----S U P P L Y S O U R C E S-----|

TC2-CIVIL TECH./MATH SCIENCE

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
ENGINEERING, GENERAL	14.0101			52					52
CIVIL ENGINEERING	14.0801			117					117
ELECTRICAL, ELECTRONICS & COMMUNICATIO	14.1001			101					101
CIVIL TECHNOLOGY	15.0201		4						4
MATHEMATICS, GENERAL	27.0101			80					80
PURE MATHEMATICS	27.0401			4					4
STATISTICS	27.0501			2					2
CIVIL ENGINEER	005.061-014					8	1		9
GEODETIC COMPUTER	018.167-014						1		1
LAND SURVEYOR	018.167-018					1			1
SURVEYOR ASSISTANT, INSTRUMENTS	018.167-034					1	4		5
SURVEYOR, GEODETIC	018.167-038						1		1
PHOTOGRAMMETRIST	018.261-026					2	3		5
ENGINEERING ANALYST	020.067-010					2			2
MATHEMATICIAN	020.067-014					1			1
MATHEMATICAL TECHNICIAN	020.162-010					1			1
GEOLOGIST	024.061-018					7	2		9
GEOLOGIST, PETROLEUM	024.061-022					1			1
GEOPHYSICIST	024.061-030					1			1
PALFONTOLOGIST	024.061-042					1			1
RADIOGRAPHER	199.361-010					1			1
SURVEYOR HELPER	869.567-010					4	20		24
OBSERVER HELPER, SEISMIC PROSPECTING	939.364-010						2		2

TC2-CIVIL TECH./MATH SCIENCE

-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CLUSTER TOTAL		0	4	356	0	31	34	0	425

TC2-CIVIL TECH./MATH SCIENCE

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122121	CIVIL ENGINEERS, INCL. TRAFFI	793	914	15	22	37	
22122199	ENGINEERS (NO DETAIL)	293	317	3	7	10	
22122302	ARCHITECTS, INCL. MARINE ARCH	144	189	6	5	11	
22122502	CIVIL ENGINEERING TECHNICIANS	177	221	6	3	9	
22122599	ENGINEERING TECHN. (NO DETAIL	736	822	11	14	25	
22224111	GEOLOGIST, GEOPHYS., OCEANOGRAP	199	237	5	5	10	
22224199	PHYSICAL SCIENTISTS (NO DETAI	97	107	1	3	4	
22325312	STATISTICIANS	51	64	2	1	3	
22325319	ALL OTHER MATH. SCIENTISTS	51	59	1	1	2	
22325323	MATHEMATICAL TECHNICIANS	1	1				
CLUSTER TOTAL		2,542	2,931	50	61	111	425

|-----S U P P L Y S O U R C E S-----|

TC3-CHEMICAL TECHNOLOGY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CHEMICAL ENGINEERING	14.0701			58					58
CHEMISTRY, GENERAL	40.0501			44					44
CHEMICAL ENGINEER	008.061-018					1			1
TESTER	029.261-022						1		1
DYE WEIGHER	550.684-014					1			1
ABSORPTION OPERATOR	551.382-010						1		1
PRODUCTION SUPERVISOR, ANHYDROUS AMMON	559.132-046						1		1
FIBERGLASS LAMINATOR	806.684-054						4		4
CLUSTER TOTAL		0	0	102	0	2	7	0	111

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MONTANA D E M A N D R E P O R T

TC3-CHEMICAL TECHNOLOGY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY- MENT-1982	PROJ EMPLOY- MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE- MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122111	PETROLEUM ENGINEERS	62	68	1	1	2	
22122114	CHEMICAL ENGINEERS	72	71		1	1	
22224105	CHEMISTS, EXCEPT BIOCHEMISTS	176	221	6	4	10	
22224505	CHEMICAL TECHNICIANS, EXC. HEAL	61	63		1	1	
22224511	PETROLEUM TECHNICIANS	90	97	1	2	3	
77387914	DERRICK OPERATORS, OIL & GAS	227	245	2	5	7	
77387917	SERVICE UNIT OPERATORS	128	138	1	3	4	
77387999	EXTRACTIVE WORKERS (NO DETAIL	32	33		1	1	
77592935	CHEMICAL EQUIP. CONTROLLER/OP	68	72	1	2	3	
77592938	CHEMICAL EQUIPMENT TENDER	35	38		1	1	
77795008	CHEMICAL PLANT AND SYSTEM OPE	36	36		1	1	
77795011	PETROLEUM PUMP SYSTEM OPERATO	2	2				
77795014	PETROLEUM REFINERY OPERATORS	197	181	-1	6	5	
77795017	GAUGERS	16	17				
77897908	OIL PUMPERS, EXCEPT WELL HEAD	79	85	1	3	4	
77998323	HELPERS: EXTRACTIVE WORKERS	630	681	6	15	21	
CLUSTER TOTAL		1,911	2,048	18	46	64	111

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

TC4-ENVIRONMENTAL CONTRL TECHN

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
RENEWABLE NATURAL RESOURCES, GENERAL	03.0101			25					25
CONSERVATION AND REGULATION, GENERAL	03.0201			9					9
CONSERVATION AND REGULATION, GENERAL	03.0299			17					17
ARCHITECTURE	04.0201			40					40
ENVIRONMENTAL HEALTH ENGINEERING	14.1401			23					23
GEOLOGICAL ENGINEERING	14.1501			17					17
GEOPHYSICAL ENGINEERING	14.1601			11					11
METALLURGICAL ENGINEERING	14.2001			13					13
MINING AND MINERAL ENGINEERING	14.2101			28					28
PETROLEUM ENGINEERING	14.2501			69					69
MINERAL PROCESSING ENGINEERING	14.7899			9					9
OCCUPATIONAL HEALTH & SAFETY TECHNOLOG	15.0701			15					15
BIOLOGICAL AND PHYSICAL SCIENCES	30.0101			18					18
ENVIRONMENTAL STUDIES	30.7899			7					7
GEOLOGY	40.0601			77					77
GEOCHEMISTRY	40.0602			3					3
EARTH SCIENCE	40.0703			53					53
PHYSICS, GENERAL	40.0801			18					18
GEOGRAPHY	45.0701			14					14
PETROLEUM ENGINEER	010.061-018						2	1	3
DISTRICT SUPERVISOR, MUD-ANALYSIS WELL	010.167-014						1		1
DRAFTER, GEOPHYSICAL	010.281-018								
GEOLOGIST	024.061-018								
GEOLOGIST, PETROLEUM	024.061-022						1		1

|-----S U P P L Y S O U R C E S-----|

TC4-ENVIRONMENTAL CONTROL TECHN

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
GEOPHYSICIST	024.061-030								
PALEONTOLOGIST	024.061-042								
ENGINEER, SOILS	024.161-010			1	1				2
METEOROLOGIST	025.062-010			1					1
ENVIRONMENTAL ANALYST	029.081-010			1					1
SOIL CONSERVATIONIST	040.061-054								
MINE INSPECTOR	168.267-074			1					1
URBAN PLANNER	199.167-014			1	1				2
CHECKER, DUMP GROUNDS	219.367-010				1				1
WATER-TREATMENT-PLANT OPERATOR	551.485-010					1			1
ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER	637.664-010						2		2
MINER	850.381-010			1					1
LINE WALKER	869.564-010						1		1
MINER 1	939.281-010						1		1
WASTEWATER-TREATMENT-PLANT OPERATOR	955.362-010					1	1		2
SANITARY LANDFILL OPERATOR	955.463-010						3		3
SEWAGE-DISPOSAL WORKER	955.687-010						1		1
CLUSTER TOTAL		0	0	466	0	12	13	0	491

TC4-ENVIRONMENTAL CONTRL TECHN

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
11515021	MINING, QUARRY., OIL DRILL. MGR	1	1				
22021908	CONSTRUCTION INSPECTORS	642	686	6	31	37	
22122108	MINING ENGINEERS, INCL. SAFET	52	66	2	2	4	
22122132	SAFETY ENGINEERS, EXCEPT MINI	43	48	1	1	2	
22122517	UTILITIES ESTIMATORS & DRAFTE	20	22		1	1	
22122521	SURVEYING AND MAPPING TECHN.	455	537	10	9	19	
22224102	PHYSICISTS AND ASTRONOMERS	8	11				
22224108	ATMOSPHERIC & SPACE SCIENTIST	28	31		1	1	
22427105	URBAN AND REGIONAL PLANNERS	143	166	3	3	6	
22939005	TRAFFIC TECHNICIANS	23	25		1	1	
77795002	WATER & WASTE TREAT. PLANT OP	294	365	9	13	22	
77897911	WELL HEAD PUMPERS	88	96	1	4	5	
CLUSTER TOTAL		1,797	2,054	32	66	98	491

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

TC5-MECHANICAL TECHNOLOGY

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
MECHANICAL ENGINEERING	14.1901			92					92
MECHANICAL ENGINEER	007.061-014					2	2		4
MECHANICAL-DESIGN ENGINEER, FACILITIES	007.061-018					1			1
ENGINEERING ASSISTANT, MECHANICAL EQUI	007.161-018					10	4		14
MECHANICAL-ENGINEERING TECHNICIAN	007.161-026					1			1
DIE-DRAWING CHECKER	007.167-010					1			1
TOOL PROGRAMER, NUMERICAL CONTROL	007.167-018					10	1		11
HEAT-TRANSFER TECHNICIAN	007.181-010					2			2
INSPECTOR AND TESTER	624.361-010								
MAINTENANCE-MECHANIC SUPERVISOR	638.131-022						2		2
SCALE ASSEMBLY SET-UP WORKER	710.360-010								
CLUSTER TOTAL		0	0	92	0	27	9	0	128

09/26/84

MONTANA D E M A N D R E P O R T

TC5-MECHANICAL TECHNOLOGY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122135	MECHANICAL ENGINEERS	210	227	2	5	7	
22122511	MECHANICAL ENGINEERING TECHN.	9	9				
CLUSTER TOTAL		219	236	2	5	7	128

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

TC6-INSTRUMENT TECHNOLOGY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
WATCH REPAIR	47.0408								3
JEWELRY DESIGN, FABRICATION (FACETING)	48.0602								
ELECTRICAL RESEARCH ENGINEER	003.061-026								
ELECTRICAL TECHNICIAN	003.161-010								
ELECTRICAL ENGINEER, POWER SYSTEM	003.167-018								
INSTRUMENTATION TECHNICIAN	003.261-010				1				1
JEWELER APPRENTICE	700.281-014							1	1
ENGRAVER, PANTOGRAPH 1	704.382-010							1	1
LOCKSMITH	709.281-010							1	1
MODEL MAKER	709.381-018					1			1
WATCH REPAIRER	715.281-010					1		1	2
WATCH REPAIRER APPRENTICE	715.281-014					1			1
ADJUSTER, ALARM MECHANISM	715.684-010						1		1
FIREWORKS ASSEMBLER	737.587-014						1		1
PRODUCTION ASSEMBLER	737.684-034								
DIAMOND CLEAVER	770.381-014					1	1		2
CLUSTER TOTAL		0	3	0	0	5	7	0	15

TC6--INSTRUMENT TECHNOLOGY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77285905	PRECISION INSTRUMENT REPAIRER	173	187	2	5	7	
77285917	WATCHMAKERS	15	19	1	1	2	
77285921	MUSICAL INSTRUMENT REPAIRERS	12	15		1	1	
77285923	LOCKSMITHS AND SAFE REPAIRERS	1	1				
77489123	JEWELERS AND SILVERSMITHS	44	56	2	3	5	
77489917	PRECISION OPTICAL GOODS WORKE	44	56	2	1	3	
77591114	GRINDING,BUFFING MACH.SET/OP.	34	45	1	1	2	
77693953	GRINDING AND POLISHING, HAND	19	25	1	1	2	
CLUSTER TOTAL		342	404	9	13	22	15

IC7-TEXTILE TECHNOLOGY

|-----S U P P L Y S O U R C E S-----|

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
CLOTHING, APPAREL & TEXTILES	20.0301	7							7
SHOE AND BOOT REPAIR	47.0406			11					11
LAUNDRY WORKER 1	361.684-014					1	4		5
LAUNDRY WORKER 2	361.685-018					1			1
LAUNDRY LABORER	361.687-018						6		6
DRY-CLEANER APPRENTICE	362.382-010					1	2		3
DRY CLEANER	362.382-014					1	1		2
SILK FINISHER	363.681-010						1		1
PRESSER, MACHINE	363.682-018					1	1		2
BLOCKER	363.684-010					1			1
PRESSER, HAND	363.684-018						1		1
SHOE REPAIRER	365.361-014					2	10		12
SHOE-REPAIRER HELPER	365.674-010						1		1
RUG CLEANER, HAND	369.384-014								
SELF-SERVICE-LAUNDRY-AND-DRY-CLEANING	369.677-010					2	1		3
LAUNDRY OPERATOR	369.684-014						1		1
PRESS OPERATOR	583.685-086						3		3
CLOTH PRINTER	652.382-010					1	1		2
B08BIN WINDER, SEWING MACHINE	681.685-026					1			1
WEAVER, HAND LOOM	683.684-030						1		1
KNITTING-MACHINE OPERATOR	685.665-014						1		1
BOOTMAKER, HAND	753.381-010					1			1
FURNITURE UPHOLSTERER	780.381-018					2	2		4
FURNITURE-UPHOLSTERER APPRENTICE	780.381-022						3		3

-----S U P P L Y S O U R C E S-----

TC7-TEXTILE TECHNOLOGY

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AUTOMOBILE-SEAT-COVER-AND-CONVERTIBLE-	780.384-010						3		3
CUSHION BUILDER	780.684-046						1		1
FABRICATOR, FOAM RUBBER	780.684-062					1			1
UPHOLSTERY REPAIRER	780.684-122						1		1
CUTTER, MACHINE 1	781.684-014						2		2
ASSEMBLER	781.687-010					1			1
SEWER, HAND	782.684-058					2			2
SADDLE MAKER	783.381-026					2	2		4
SEWING-MACHINE OPERATOR	783.682-014						1		1
BINDER	787.682-010					1	1		2
HEMMER	787.682-026						1		1
SEWING-MACHINE OPERATOR	787.682-046					1	8		9
SEWING-MACHINE OPERATOR	787.682-062						3		3
COBBLER	788.381-010					1	1		2
SHOEMAKER, CUSTOM	788.381-014						3		3
ASSEMBLER FOR PULLER-OVER, HAND	788.684-010					1			1
NET MAKER	789.684-030						2		2
CLUSTER TOTAL		7	0	0	11	25	69	0	112

09/26/84

MONTANA D E M A N D R E P O R T

TC7-TEXTILE TECHNOLOGY

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
77285956	MENDERS: GARMENTS, LINENS	27	25	1	1	1	
77489502	FABRIC AND APPAREL PATTERNMAK	4	5				
77489505	CUSTOM TAILORS AND SEWERS	133	154	3	9	12	
77489508	UPHOLSTERERS	79	118	5	4	9	
77489511	SHOE & LEATHER, PRECISION	16	21	1	1	2	
77489514	SPOTTERS: DRY CLEANING	8	7				
77592705	TEXTILE MACHINE OPERATORS	4	4				
77592717	SEWING MACH. OPERATOR: GARMEN	62	78	2	3	5	
77592721	SEWING MACH. OPER.: NON-GARME	80	114	4	3	7	
77592726	LAUNDRY, DRYCLEANING MACH. OP	666	761	12	32	44	
77592728	PRESSING MACH. OPERATOR:TEXTI	85	92	1	3	4	
77693921	PRESSERS, HAND	17	15	1	1	1	
77693923	SEWERS, HAND	1	1				
CLUSTER TOTAL		1,182	1,395	28	57	85	112

|-----S U P P L Y S O U R C E S-----|

TC8-COMMERCIAL AVIATION

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
AIRCRAFT MECHANICS	47.0602		18						18
INSTRUCTOR, FLYING 1	196.223-010			1					1
AIRPLANE PILOT, COMMERCIAL	196.263-014					1			1
TRAFFIC AGENT	252.257-010					1			1
SKIN FITTER	806.381-054					1			1
AVIONICS TECHNICIAN	823.281-010								
AIRPORT ATTENDANT	912.364-010					8			8
CLUSTER TOTAL		0	18	0	0	1	11	0	30

09/26/84

MONTANA D E M A N D R E P O R T

TC8-COMMERCIAL AVIATION

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22939002	AIR TRAFFIC CONTROLLERS	136	154	2	3	5	
77285323	AIRCRAFT MECHANICS	201	230	4	4	8	
77897702	AIRCRAFT PILOTS, FLIGHT ENGINE	151	175	3	2	5	
CLUSTER TOTAL		488	559	9	9	18	30

|-----S U P P L Y S O U R C E S-----|

TC9- INDUSTRIAL ENGINEERING

TITLE	CODE	PUBLIC SEC	VO-ED VO-TECH	HIGHER ED.	PROP. SCHOOLS	VOC REHAB	CETA	JOB CORPS	SUPPLY TOTALS
INDUSTRIAL ENGINEERING	14.1701			22					22
INDUSTRIAL ELECTRONICS	47.0105		59						59
QUALITY-CONTROL TECHNICIAN	012.261-014						1		1
INDUSTRIAL ENGINEERING TECHNICIAN	012.267-010				1				1
WARE TESTER	579.384-018				1				1
CLUSTER TOTAL		0	59	22	0	2	1	0	84
GRAND CUM.		2642	1185	5283	2094	1100	4623	469	17396

10/05/84

MONTANA D E M A N D R E P O R T

TC9-INDUSTIAL ENGINEERING

OES MATRIX CODE	OES MATRIX TITLE	CURRENT EMPLOY MENT-1982	PROJ EMPLOY MENT-1990	AVERAGE GROWTH	AVERAGE REPLACE MENTS	AVERAGE ANNUAL OPENINGS	SUPPLY
22122128	INDUSTRIAL ENGINEERS, EXC.SAF	34	45	1	1	2	
22122508	INDUSTRIAL ENGINEERING TECHN.	4	6				
CLUSTER TOTAL		38	51	1	1	2	84
GRAND CUM.		273,236	327,572	6,841	10,440	17,281	17,396

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